

PF-0741 USN

<110> TANG, Y. Tom; JACKSON, Jennifer L.
YUE, Henry; REDDY, Roopa
LAL, Preeti; SHAH, Purvi
AZIMZAI, Yalda; BAUGHN, Mariah R.
LU, Dyung Aina M.; BANDMAN, Olga
SHIH, Leo L.; ARVIZU, Chandra S.

<120> Proteins Associated with Cell Differentiation

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<140> 10/070,226

<141> Herewith

<150> PCT/US00/25435

<151> 09/14/2000

<150> US 60/169,155

<151> 12/06/1999

<150> US 60/154,140

<151> 08/15/1999

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<213> Homo sapiens

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Pro	Asp	Ala	Pro	Glu	Ala	Ala	Ser	Pro	Ala	His	Trp	Pro	Arg	Glu
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Ser	Leu	Val	Leu	Tyr	His	Trp	Thr	Gln	Ser	Phe	Ser	Ser	Gln	Lys
				50					55					60
Val	Arg	Leu	Val	Ile	Ala	Glu	Lys	Gly	Leu	Val	Cys	Glu	Glu	Arg
				65					70					75
Asp	Val	Ser	Leu	Pro	Gln	Ser	Glu	His	Lys	Glu	Pro	Trp	Phe	Met
				80					85					90
Arg	Leu	Asn	Leu	Gly	Glu	Glu	Val	Pro	Val	Ile	Ile	His	Arg	Asp
				95					100					105
Asn	Ile	Ile	Ser	Asp	Tyr	Asp	Gln	Ile	Ile	Asp	Tyr	Val	Glu	Arg
				110					115					120
Thr	Phe	Thr	Gly	Glu	His	Val	Val	Ala	Leu	Met	Pro	Glu	Val	Gly
				125					130					135

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Ser	Leu	Gln	His	Ala	Arg	Val	Leu	Gln	Tyr	Arg	Glu	Leu	Leu	Asp	140	145	150
Ala	Leu	Pro	Met	Asp	Ala	Tyr	Thr	His	Gly	Cys	Ile	Leu	His	Pro	155	160	165
Glu	Leu	Thr	Thr	Asp	Ser	Met	Ile	Pro	Lys	Tyr	Ala	Thr	Ala	Glu	170	175	180
Ile	Arg	Arg	His	Leu	Ala	Asn	Ala	Thr	Thr	Asp	Leu	Met	Lys	Leu	185	190	195
Asp	His	Glu	Glu	Glu	Pro	Gln	Leu	Ser	Glu	Pro	Tyr	Leu	Ser	Lys	200	205	210
Gln	Lys	Lys	Leu	Met	Ala	Lys	Ile	Leu	Glu	His	Asp	Asp	Val	Ser	215	220	225
Tyr	Leu	Lys	Lys	Ile	Leu	Gly	Glu	Leu	Ala	Met	Val	Leu	Asp	Gln	230	235	240
Ile	Glu	Ala	Glu	Leu	Glu	Lys	Arg	Lys	Leu	Glu	Asn	Glu	Gly	Gln	245	250	255
Lys	Cys	Glu	Leu	Trp	Leu	Cys	Gly	Cys	Ala	Phe	Thr	Leu	Ala	Asp	260	265	270
Val	Leu	Leu	Gly	Ala	Thr	Leu	His	Arg	Leu	Lys	Phe	Leu	Gly	Leu	275	280	285
Ser	Lys	Lys	Tyr	Trp	Glu	Asp	Gly	Ser	Arg	Pro	Asn	Leu	Gln	Ser	290	295	300
Phe	Phe	Glu	Arg	Val	Gln	Arg	Arg	Phe	Ala	Phe	Arg	Lys	Val	Leu	305	310	315
Gly	Asp	Ile	His	Thr	Thr	Leu	Leu	Ser	Ala	Val	Ile	Pro	Asn	Ala	320	325	330
Phe	Arg	Leu	Val	Lys	Arg	Lys	Pro	Pro	Ser	Phe	Phe	Gly	Ala	Ser	335	340	345
Phe	Leu	Met	Gly	Ser	Leu	Gly	Gly	Met	Gly	Tyr	Phe	Ala	Tyr	Trp	350	355	360
Tyr	Leu	Lys	Lys	Lys	Tyr	Ile									365		

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Lys	Glu	Phe	Ser	Val	Leu	Leu	Asn	Gln	Gln	Val	Phe	Asn	Asp	Pro	20	25	30	35
Leu	Val	Ser	Glu	Glu	Asp	Met	Val	Thr	Val	Val	Glu	Asp	Trp	Met	35	40	45	50
Asn	Phe	Tyr	Ile	Asn	Tyr	Tyr	Arg	Gln	Gln	Val	Thr	Gly	Glu	Pro	50	55	60	65
Gln	Glu	Arg	Asp	Lys	Ala	Leu	Gln	Glu	Leu	Arg	Gln	Glu	Leu	Asn	65	70	75	80
Thr	Leu	Ala	Asn	Pro	Phe	Leu	Ala	Lys	Tyr	Arg	Asp	Phe	Leu	Lys				

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Ser	His	Glu	Leu	Pro	Ser	His	Pro	Pro	Pro	Ser	Ser			
				95						100				

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Ala Gly Pro Gln Pro Gly Ser Tyr Glu Ile Arg His Tyr Gly Pro
35 40 45
Ala Lys Trp Val Ser Thr Ser Val Glu Ser Met Asp Trp Asp Ser
50 55 60
Ala Ile Gln Thr Gly Phe Thr Lys Leu Asn Ser Tyr Ile Gln Gly
65 70 75
Lys Asn Glu Lys Glu Met Lys Ile Lys Met Thr Ala Pro Val Thr
80 85 90
Ser Tyr Val Glu Pro Gly Ser Gly Pro Phe Ser Glu Ser Thr Ile
95 100 105
Thr Ile Ser Leu Tyr Ile Pro Ser Glu Gln Gln Phe Asp Pro Pro
110 115 120
Arg Pro Leu Glu Ser Asp Val Phe Ile Glu Asp Arg Ala Glu Met
125 130 135
Thr Val Phe Val Arg Ser Phe Asp Gly Phe Ser Ser Ala Gln Lys
140 145 150
Asn Gln Glu Gln Leu Leu Thr Leu Ala Ser Ile Leu Arg Glu Asp
155 160 165
Gly Lys Val Phe Asp Glu Lys Val Tyr Tyr Thr Ala Gly Tyr Asn
170 175 180
Ser Pro Val Lys Leu Leu Asn Arg Asn Asn Glu Val Trp Leu Ile
185 190 195
Gln Lys Asn Glu Pro Thr Lys Glu Asn Glu
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Met Glu Ser Lys Glu Glu Leu Ala Ala Asn Asn Leu Asn Gly Glu

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Asn Ala Gln Gln Glu	Asn Glu Gly Gly Glu	Gln Ala Pro Thr Gln	
20	25	30	
Asn Glu Glu Glu Ser	Arg His Leu Gly Gly	Glu Gly Gln Lys	
35	40	45	
Pro Gly Gly Asn Ile	Arg Arg Gly Arg Val	Arg Arg Leu Val Pro	
50	55	60	
Asn Phe Arg Trp Ala	Ile Pro Asn Arg His	Ile Glu His Asn Glu	
65	70	75	
Ala Arg Asp Asp Val	Glu Arg Phe Val Gly	Gln Met Met Glu Ile	
80	85	90	
Lys Arg Lys Thr Arg	Glu Gln Gln Met Arg	His Tyr Met Arg Phe	
95	100	105	
Gln Thr Pro Glu Pro	Asp Asn His Tyr Asp	Phe Cys Leu Ile Pro	
110	115	120	

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<223> Incyte ID No: 2009069CD1

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Asp Glu His Thr Pro	Ser Thr Ser Ser Thr	Lys Gly Arg Lys Lys	
20	25	30	
Gly Lys Thr Pro Arg	Gln Arg Arg Ser Arg	Ser Gly Val Lys Gly	
35	40	45	
Leu Lys Thr Thr Arg	Lys Ala Lys Arg Pro	Leu Arg Gly Ser Ser	
50	55	60	
Ser Gln Lys Ala Gly	Glu Thr Asn Thr Pro	Ala Gly Lys Pro Lys	
65	70	75	
Lys Ala Arg Gly Pro	Ile Leu Arg Gly Arg	Tyr His Arg Leu Lys	
80	85	90	
Glu Lys Met Lys Lys	Glu Glu Ala Asp Lys	Glu Gln Ser Glu Thr	
95	100	105	
Ser Val Leu			

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1	5	10	15
Pro Cys Leu Pro Lys Thr Gln Glu Gln Cys Gln Ala Lys Ala Glu			
	20	25	30
Glu Val Cys Leu Pro Thr Cys Gln His Pro Cys Gln Asp Lys Cys			
	35	40	45
Leu Val Gln Ala Gln Glu Val Cys Leu Ser Gln Cys Gln Glu Ser			
	50	55	60
Ser Gln Glu Lys Cys Pro Gln Gln Gly Gln Glu Pro Tyr Leu Pro			
	65	70	75
Pro Cys Gln Asp Gln Cys Pro Pro Gln Cys Ala Glu Pro Cys Gln			
	80	85	90
Glu Leu Phe Gln Thr Lys Cys Val Glu Val Cys Pro Gln Lys Val			
	95	100	105
Gln Glu Lys Cys Ser Ser Pro Gly Lys Gly Lys			
	110	115	

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Leu Leu Glu Glu Leu Pro Leu Pro Asp Gln Gln Pro Cys Ile Glu			
	20	25	30
Pro Pro Pro Ser Ser Ile Met Tyr Gln Ala Asn Phe Asp Thr Asn			
	35	40	45
Phe Glu Asp Arg Asn Ala Phe Val Thr Gly Ile Ala Arg Tyr Ile			
	50	55	60
Glu Gln Ala Thr Val His Ser Ser Met Asn Glu Met Leu Glu Glu			
	65	70	75
Gly His Glu Tyr Ala Val Met Leu Tyr Thr Trp Arg Ser Cys Ser			
	80	85	90
Arg Ala Ile Pro Gln Val Lys Cys Asn Glu Gln Pro Asn Arg Val			
	95	100	105
Glu Ile Tyr Glu Lys Thr Val Glu Val Leu Glu Pro Glu Val Thr			
	110	115	120
Lys Leu Met Lys Phe Met Tyr Phe Gln Arg Lys Ala Ile Glu Arg			
	125	130	135
Phe Cys Ser Glu Val Lys Arg Leu Cys His Ala Glu Arg Arg Lys			
	140	145	150
Asp Phe Val Ser Glu Ala Tyr Leu Leu Thr Leu Gly Lys Phe Ile			
	155	160	165
Asn Met Phe Ala Val Leu Asp Glu Leu Lys Asn Met Lys Cys Ser			
	170	175	180
Val Lys Asn Asp His Ser Ala Tyr Lys Arg Ala Ala Gln Phe Leu			
	185	190	195
Arg Lys Met Ala Asp Pro Gln Ser Ile Gln Glu Ser Gln Asn Leu			
	200	205	210

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Ser	Met	Phe	Leu	Ala	Asn	His	Asn	Arg	Ile	Thr	Gln	Cys	Leu	His	215	220	225
Gln	Gln	Leu	Glu	Val	Ile	Pro	Gly	Tyr	Glu	Glu	Leu	Leu	Ala	Asp	230	235	240
Ile	Val	Asn	Ile	Cys	Val	Asp	Tyr	Tyr	Glu	Asn	Lys	Met	Tyr	Leu	245	250	255
Thr	Pro	Ser	Glu	Lys	His	Met	Leu	Leu	Lys	Val	Met	Gly	Phe	Gly	260	265	270
Leu	Tyr	Leu	Met	Asp	Gly	Asn	Val	Ser	Asn	Ile	Tyr	Lys	Leu	Asp	275	280	285
Ala	Lys	Lys	Arg	Ile	Asn	Leu	Ser	Lys	Ile	Asp	Lys	Phe	Phe	Lys	290	295	300
Gln	Leu	Gln	Val	Val	Pro	Leu	Phe	Gly	Asp	Met	Gln	Ile	Glu	Leu	305	310	315
Ala	Arg	Tyr	Ile	Lys	Thr	Ser	Ala	His	Tyr	Glu	Glu	Asn	Lys	Ser	320	325	330
Lys	Trp	Thr	Cys	Thr	Gln	Ser	Ser	Ile	Ser	Pro	Gln	Tyr	Asn	Ile	335	340	345
Cys	Glu	Gln	Met	Val	Gln	Ile	Arg	Asp	Asp	His	Ile	Arg	Phe	Ile	350	355	360
Ser	Glu	Leu	Ala	Arg	Tyr	Ser	Asn	Ser	Glu	Val	Val	Thr	Gly	Ser	365	370	375
Gly	Leu	Asp	Ser	Gln	Lys	Ser	Asp	Glu	Glu	Tyr	Arg	Glu	Leu	Phe	380	385	390
Asp	Leu	Ala	Leu	Arg	Gly	Leu	Gln	Leu	Leu	Ser	Lys	Trp	Ser	Ala	395	400	405
His	Val	Met	Glu	Val	Tyr	Ser	Trp	Lys	Leu	Val	His	Pro	Thr	Asp	410	415	420
Lys	Phe	Cys	Asn	Lys	Asp	Cys	Pro	Gly	Thr	Ala	Glu	Glu	Tyr	Glu	425	430	435
Arg	Ala	Thr	Arg	Tyr	Asn	Tyr	Thr	Ser	Glu	Glu	Lys	Phe	Ala	Phe	440	445	450
Val	Glu	Val	Ile	Ala	Met	Ile	Lys	Gly	Leu	Gln	Val	Leu	Met	Gly	455	460	465
Arg	Met	Glu	Ser	Val	Phe	Asn	Gln	Ala	Ile	Arg	Asn	Thr	Ile	Tyr	470	475	480
Ala	Ala	Leu	Gln	Asp	Phe	Ala	Gln	Val	Thr	Leu	Arg	Glu	Pro	Leu	485	490	495
Arg	Gln	Ala	Val	Arg	Lys	Lys	Lys	Asn	Val	Leu	Ile	Ser	Val	Leu	500	505	510
Gln	Ala	Ile	Arg	Lys	Thr	Ile	Cys	Asp	Trp	Glu	Gly	Gly	Arg	Glu	515	520	525
Pro	Pro	Asn	Asp	Pro	Cys	Leu	Arg	Gly	Glu	Lys	Asp	Pro	Lys	Gly	530	535	540
Gly	Phe	Asp	Ile	Lys	Val	Pro	Arg	Arg	Ala	Val	Gly	Pro	Ser	Ser	545	550	555
Thr	Gln	Leu	Tyr	Met	Val	Arg	Thr	Met	Leu	Glu	Ser	Leu	Ile	Ala	560	565	570
Asp	Lys	Ser	Gly	Ser	Lys	Lys	Thr	Leu	Arg	Ser	Ser	Leu	Asp	Gly	575	580	585
Pro	Ile	Val	Leu	Ala	Ile	Glu	Asp	Phe	His	Lys	Gln	Ser	Phe	Phe	590	595	600
Phe	Thr	His	Leu	Leu	Asn	Ile	Ser	Glu	Ala	Leu	Gln	Gln	Cys	Cys	605	610	615

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Asp	Leu	Ser	Gln	Leu	Trp	Phe	Arg	Glu	Phe	Phe	Leu	Glu	Leu	Thr			
				620					625								630
Met	Gly	Arg	Arg	Ile	Gln	Phe	Pro	Ile	Glu	Met	Ser	Met	Pro	Trp			
				635					640								645
Ile	Leu	Thr	Asp	His	Ile	Leu	Glu	Thr	Lys	Glu	Pro	Ser	Met	Met			
				650					655								660
Glu	Tyr	Val	Leu	Tyr	Pro	Leu	Asp	Leu	Tyr	Asn	Asp	Ser	Ala	Tyr			
				665					670								675
Tyr	Ala	Leu	Thr	Lys	Phe	Lys	Lys	Gln	Phe	Leu	Tyr	Asp	Glu	Ile			
				680					685								690
Glu	Ala	Glu	Val	Asn	Leu	Cys	Phe	Asp	Gln	Phe	Val	Tyr	Lys	Leu			
				695					700								705
Ala	Asp	Gln	Ile	Phe	Ala	Tyr	Tyr	Lys	Ala	Met	Ala	Gly	Ser	Val			
				710					715								720
Leu	Leu	Asp	Lys	Arg	Phe	Arg	Ala	Glu	Cys	Lys	Asn	Tyr	Gly	Val			
				725					730								735
Ile	Ile	Pro	Tyr	Pro	Pro	Ser	Asn	Arg	Tyr	Glu	Thr	Leu	Leu	Lys			
				740					745								750
Gln	Arg	His	Val	Gln	Leu	Leu	Gly	Arg	Ser	Ile	Asp	Leu	Asn	Arg			
				755					760								765
Leu	Ile	Thr	Gln	Arg	Ile	Ser	Ala	Ala	Met	Tyr	Lys	Ser	Leu	Asp			
				770					775								780
Gln	Ala	Ile	Ser	Arg	Phe	Glu	Ser	Glu	Asp	Leu	Thr	Ser	Ile	Val			
				785					790								795
Glu	Leu	Glu	Trp	Leu	Leu	Glu	Ile	Asn	Arg	Leu	Thr	His	Arg	Leu			
				800					805								810
Leu	Cys	Lys	His	Met	Thr	Leu	Asp	Ser	Phe	Asp	Ala	Met	Phe	Arg			
				815					820								825
Glu	Ala	Asn	His	Asn	Val	Ser	Ala	Pro	Tyr	Gly	Arg	Ile	Thr	Leu			
				830					835								840
His	Val	Phe	Trp	Glu	Leu	Asn	Phe	Asp	Phe	Leu	Pro	Asn	Tyr	Cys			
				845					850								855
Tyr	Asn	Gly	Ser	Thr	Asn	Arg	Phe	Val	Arg	Thr	Ala	Ile	Pro	Phe			
				860					865								870
Thr	Gln	Glu	Pro	Gln	Arg	Asp	Lys	Pro	Ala	Asn	Val	Gln	Pro	Tyr			
				875					880								885
Tyr	Leu	Tyr	Gly	Ser	Lys	Pro	Leu	Asn	Ile	Ala	Tyr	Ser	His	Ile			
				890					895								900
Tyr	Ser	Ser	Tyr	Arg	Asn	Phe	Val	Gly	Pro	Pro	His	Phe	Lys	Thr			
				905					910								915
Ile	Cys	Arg	Leu	Leu	Gly	Tyr	Gln	Gly	Ile	Ala	Val	Val	Met	Glu			
				920					925								930
Glu	Leu	Leu	Lys	Ile	Val	Lys	Ser	Leu	Leu	Gln	Gly	Thr	Ile	Leu			
				935					940								945
Gln	Tyr	Val	Lys	Thr	Leu	Ile	Glu	Val	Met	Pro	Lys	Ile	Cys	Arg			
				950					955								960
Leu	Pro	Arg	His	Glu	Tyr	Gly	Ser	Pro	Gly	Ile	Leu	Glu	Phe	Phe			
				965					970								975
His	His	Gln	Leu	Lys	Asp	Ile	Ile	Glu	Tyr	Ala	Glu	Leu	Lys	Thr			
				980					985								990
Asp	Val	Phe	Gln	Ser	Leu	Arg	Glu	Val	Gly	Asn	Ala	Ile	Leu	Phe			
				995					1000								1005
Cys	Leu	Leu	Ile	Glu	Gln	Ala	Leu	Ser	Gln	Glu	Glu	Val	Cys	Asp			
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Lys	Met	Gln	Glu	Ser	Gly	Glu	Gln	Thr	Ile	Ser	Gln	Val	Ser	Asn
				20					25					30
Pro	Asp	Val	Ser	Asp	Gln	Lys	Pro	Glu	Thr	Ser	Ser	Leu	Ala	Ser
				35					40					45
Asn	Leu	Pro	Met	Ser	Glu	Glu	Ile	Met	Thr	Cys	Thr	Asp	Tyr	Ile
				50					55					60
Pro	Arg	Ser	Ser	Asn	Asp	Tyr	Thr	Ser	Gln	Met	Tyr	Ser	Ala	Lys
				65					70					75
Pro	Tyr	Ala	His	Ile	Leu	Ser	Val	Pro	Val	Ser	Glu	Thr	Ala	Tyr
				80					85					90
Pro	Gly	Gln	Thr	Gln	Tyr	Gln	Thr	Leu	Gln	Gln	Thr	Gln	Pro	Tyr
				95					100					105
Ala	Val	Tyr	Pro	Gln	Ala	Thr	Gln	Thr	Tyr	Gly	Leu	Pro	Pro	Phe
				110					115					120
Ala	Ser	Ser	Thr	Asn	Ala	Ser	Leu	Ile	Ser	Thr	Ser	Ser	Thr	Ile
				125					130					135
Ala	Asn	Ile	Pro	Ala	Ala	Ala	Val	Ala	Ser	Ile	Ser	Asn	Gln	Asp
				140					145					150
Tyr	Pro	Thr	Tyr	Thr	Ile	Leu	Gly	Gln	Asn	Gln	Tyr	Gln	Ala	Cys
				155					160					165
Tyr	Pro	Ser	Ser	Ser	Phe	Gly	Val	Thr	Gly	Gln	Thr	Asn	Ser	Asp
				170					175					180
Ala	Glu	Ser	Thr	Thr	Leu	Ala	Ala	Thr	Thr	Tyr	Gln	Ser	Glu	Lys
				185					190					195
Pro	Ser	Val	Met	Ala	Pro	Ala	Pro	Ala	Ala	Gln	Arg	Leu	Ser	Ser
				200					205					210
Gly	Asp	Pro	Ser	Thr	Ser	Pro	Ser	Leu	Ser	Gln	Thr	Thr	Pro	Ser
				215					220					225
Lys	Asp	Thr	Asp	Asp	Gln	Ser	Arg	Lys	Asn	Met	Thr	Ser	Lys	Asn
				230					235					240
Arg	Gly	Lys	Arg	Lys	Ala	Asp	Ala	Thr	Ser	Ser	Gln	Asp	Ser	Glu
				245					250					255
Leu	Glu	Arg	Val	Phe	Leu	Trp	Asp	Leu	Asp	Glu	Thr	Ile	Ile	Ile
				260					265					270
Phe	His	Ser	Leu	Leu	Thr	Gly	Ser	Tyr	Ala	Gln	Lys	Tyr	Gly	Lys
				275					280					285
Asp	Pro	Thr	Val	Val	Ile	Gly	Ser	Gly	Leu	Thr	Met	Glu	Glu	Met
				290					295					300

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Ile	Phe	Glu	Val	Ala	Asp	Thr	His	Leu	Phe	Phe	Asn	Asp	Leu	Glu	305	310	315
Glu	Cys	Asp	Gln	Val	His	Val	Glu	Asp	Val	Ala	Ser	Asp	Asp	Asn	320	325	330
Gly	Gln	Asp	Leu	Ser	Asn	Tyr	Ser	Phe	Ser	Thr	Asp	Gly	Phe	Ser	335	340	345
Gly	Ser	Gly	Gly	Ser	Gly	Ser	His	Gly	Ser	Ser	Val	Gly	Val	Gln	350	355	360
Gly	Gly	Val	Asp	Trp	Met	Arg	Lys	Leu	Ala	Phe	Arg	Tyr	Arg	Lys	365	370	375
Val	Arg	Glu	Ile	Tyr	Asp	Lys	His	Lys	Ser	Asn	Val	Gly	Gly	Leu	380	385	390
Leu	Ser	Pro	Gln	Arg	Lys	Glu	Ala	Leu	Gln	Arg	Leu	Arg	Ala	Glu	395	400	405
Ile	Glu	Val	Leu	Thr	Asp	Ser	Trp	Leu	Gly	Thr	Ala	Leu	Lys	Ser	410	415	420
Leu	Leu	Leu	Ile	Gln	Ser	Arg	Lys	Asn	Cys	Val	Asn	Val	Leu	Ile	425	430	435
Thr	Thr	Thr	Gln	Leu	Val	Pro	Ala	Leu	Ala	Lys	Val	Leu	Leu	Tyr	440	445	450
Gly	Leu	Gly	Glu	Ile	Phe	Pro	Ile	Glu	Asn	Ile	Tyr	Ser	Ala	Thr	455	460	465
Lys	Ile	Gly	Lys	Glu	Ser	Cys	Phe	Glu	Arg	Ile	Val	Ser	Arg	Phe	470	475	480
Gly	Lys	Lys	Val	Thr	Tyr	Val	Val	Ile	Gly	Asp	Gly	Arg	Asp	Ala	485	490	495
Ala	Lys	Gln	His	Asn	Met	Pro	Phe	Trp	Arg	Ile	Thr	Asn	His	Gly	500	505	510
Asp	Leu	Val	Ser	Leu	His	Gln	Ala	Leu	Glu	Leu	Asp	Phe	Leu		515	520	

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<223> Incyte ID No: 2848676CD1

<400> 11

Met	Ala	Ala	Ala	Gly	Ala	Gly	Pro	Gly	Gln	Glu	Ala	Gly	Ala	Gly	1	5	10	15
Pro	Gly	Pro	Gly	Ala	Val	Ala	Asn	Ala	Thr	Gly	Ala	Glu	Glu	Gly	20	25	30	
Glu	Met	Lys	Pro	Val	Ala	Ala	Gly	Ala	Ala	Ala	Pro	Pro	Gly	Glu	35	40	45	
Gly	Ile	Ser	Ala	Ala	Pro	Thr	Val	Glu	Pro	Ser	Ser	Gly	Glu	Ala	50	55	60	
Glu	Gly	Gly	Glu	Ala	Asn	Leu	Val	Asp	Val	Ser	Gly	Gly	Leu	Glu	65	70	75	
Thr	Glu	Ser	Ser	Asn	Gly	Lys	Asp	Thr	Leu	Glu	Gly	Ala	Gly	Asp	80	85	90	
Thr	Ser	Glu	Val	Met	Asp	Thr	Gln	Ala	Gly	Ser	Val	Asp	Glu	Glu				

				95					100					105
Asn	Gly	Arg	Gln	Leu	Gly	Glu	Val	Glu	Leu	Gln	Cys	Gly	Ile	Cys
				110					115					120
Thr	Lys	Trp	Phe	Thr	Ala	Asp	Thr	Phe	Gly	Ile	Asp	Thr	Ser	Ser
				125					130					135
Cys	Leu	Pro	Phe	Met	Thr	Asn	Tyr	Ser	Phe	His	Cys	Asn	Val	Cys
				140					145					150
His	His	Ser	Gly	Asn	Thr	Tyr	Phe	Leu	Arg	Lys	Gln	Ala	Asn	Leu
				155					160					165
Lys	Glu	Met	Cys	Leu	Ser	Ala	Leu	Ala	Asn	Leu	Thr	Trp	Gln	Ser
				170					175					180
Arg	Thr	Gln	Asp	Glu	His	Pro	Lys	Thr	Met	Phe	Ser	Lys	Asp	Lys
				185					190					195
Asp	Ile	Ile	Pro	Phe	Ile	Asp	Lys	Tyr	Trp	Glu	Cys	Met	Thr	Thr
				200					205					210
Arg	Gln	Arg	Pro	Gly	Lys	Met	Thr	Trp	Pro	Asn	Asn	Ile	Val	Lys
				215					220					225
Thr	Met	Ser	Lys	Glu	Arg	Asp	Val	Phe	Leu	Val	Lys	Glu	His	Pro
				230					235					240
Asp	Pro	Gly	Ser	Lys	Asp	Pro	Glu	Glu	Asp	Tyr	Pro	Lys	Phe	Gly
				245					250					255
Leu	Leu	Asp	Gln	Asp	Leu	Ser	Asn	Ile	Gly	Pro	Ala	Tyr	Asp	Asn
				260					265					270
Gln	Lys	Gln	Ser	Ser	Ala	Val	Ser	Thr	Ser	Gly	Asn	Leu	Asn	Gly
				275					280					285
Gly	Ile	Ala	Ala	Gly	Ser	Ser	Gly	Lys	Gly	Arg	Gly	Ala	Lys	Arg
				290					295					300
Lys	Gln	Gln	Asp	Gly	Gly	Thr	Thr	Gly	Thr	Thr	Lys	Lys	Ala	Arg
				305					310					315
Ser	Asp	Pro	Leu	Phe	Ser	Ala	Gln	Arg	Leu	Pro	Pro	His	Gly	Tyr
				320					325					330
Pro	Leu	Glu	His	Pro	Phe	Asn	Lys	Asp	Gly	Tyr	Arg	Tyr	Ile	Leu
				335					340					345
Ala	Glu	Pro	Asp	Pro	His	Ala	Pro	Asp	Pro	Glu	Lys	Leu	Glu	Leu
				350					355					360
Asp	Cys	Trp	Ala	Gly	Lys	Pro	Ile	Pro	Gly	Asp	Leu	Tyr	Arg	Ala
				365					370					375
Cys	Leu	Tyr	Glu	Arg	Val	Leu	Leu	Ala	Leu	His	Asp	Arg	Ala	Pro
				380					385					390
Gln	Leu	Lys	Ile	Ser	Asp	Asp	Arg	Leu	Thr	Val	Val	Gly	Glu	Lys
				395					400					405
Gly	Tyr	Ser	Met	Val	Arg	Ala	Ser	His	Gly	Val	Arg	Lys	Gly	Ala
				410					415					420
Trp	Tyr	Phe	Glu	Ile	Thr	Val	Asp	Glu	Met	Pro	Pro	Asp	Thr	Ala
				425					430					435
Ala	Arg	Leu	Gly	Trp	Ser	Gln	Pro	Leu	Gly	Asn	Leu	Gln	Ala	Pro
				440					445					450
Leu	Gly	Tyr	Asp	Lys	Phe	Ser	Tyr	Ser	Trp	Arg	Ser	Lys	Lys	Gly
				455					460					465
Thr	Lys	Phe	His	Gln	Ser	Ile	Gly	Lys	His	Tyr	Ser	Ser	Gly	Tyr
				470					475					480
Gly	Gln	Gly	Asp	Val	Leu	Gly	Phe	Tyr	Ile	Asn	Leu	Pro	Glu	Asp
				485					490					495
Thr	Glu	Thr	Ala	Lys	Ser	Leu	Pro	Asp	Thr	Tyr	Lys	Asp	Lys	Ala

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	500		505		510
Leu Ile Lys Phe	Lys Ser Tyr Leu Tyr	Phe Glu Glu Lys Asp	Phe		
	515		520		525
Val Asp Lys Ala	Glu Lys Ser Leu Lys	Gln Thr Pro His Ser	Glu		
	530		535		540
Ile Ile Phe Tyr	Lys Asn Gly Val Asn	Gln Gly Val Ala Tyr	Lys		
	545		550		555
Asp Ile Phe Glu	Gly Val Tyr Phe Pro	Ala Ile Ser Leu Tyr	Lys		
	560		565		570
Ser Cys Thr Val	Ser Ile Asn Phe Gly	Pro Cys Phe Lys Tyr	Pro		
	575		580		585
Pro Lys Asp Leu	Thr Tyr Arg Pro Met	Ser Asp Met Gly Trp	Gly		
	590		595		600
Ala Val Val Glu	His Thr Leu Ala Asp	Val Leu Tyr His Val	Glu		
	605		610		615
Thr Glu Val Asp	Gly Arg Arg Ser Pro	Pro Trp Glu Pro			
	620		625		

<210> 12

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2956153CD1

<400> 12

Met Asn Leu Val	Asp Leu Trp Leu Thr	Arg Ser Leu Ser Met	Cys
1	5	10	15
Leu Leu Leu Gln	Ser Phe Val Leu Met	Ile Leu Cys Phe His	Ser
	20	25	30
Ala Ser Met Cys	Pro Lys Gly Cys Leu	Cys Ser Ser Ser Gly	Gly
	35	40	45
Leu Asn Val Thr	Cys Ser Asn Ala Asn	Leu Lys Glu Ile Pro	Arg
	50	55	60
Asp Leu Pro Pro	Glu Thr Val Leu Leu	Tyr Leu Asp Ser Asn	Gln
	65	70	75
Ile Thr Ser Ile	Pro Asn Glu Ile Phe	Lys Asp Leu His Gln	Leu
	80	85	90
Arg Val Leu Asn	Leu Ser Lys Asn Gly	Ile Glu Phe Ile Asp	Glu
	95	100	105
His Ala Phe Lys	Gly Val Ala Glu Thr	Leu Gln Thr Leu Asp	Leu
	110	115	120
Ser Asp Asn Arg	Ile Gln Ser Val His	Lys Asn Ala Phe Asn	Asn
	125	130	135
Leu Lys Ala Arg	Ala Arg Ile Ala Asn	Asn Pro Trp His Cys	Asp
	140	145	150
Cys Thr Leu Gln	Gln Val Leu Arg Ser	Met Ala Ser Asn His	Glu
	155	160	165
Thr Ala His Asn	Val Ile Cys Lys Thr	Ser Val Leu Asp Glu	His
	170	175	180
Ala Gly Arg Pro	Phe Leu Asn Ala Ala	Asn Asp Ala Asp Leu	Cys
	185	190	195

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Asn	Leu	Pro	Lys	Lys	Thr	Thr	Asp	Tyr	Ala	Met	Leu	Val	Thr	Met
				200					205					210
Phe	Gly	Trp	Phe	Thr	Met	Val	Ile	Ser	Tyr	Val	Val	Tyr	Tyr	Val
				215					220					225
Arg	Gln	Asn	Gln	Glu	Asp	Ala	Arg	Arg	His	Leu	Glu	Tyr	Leu	Lys
				230					235					240
Ser	Leu	Pro	Ser	Arg	Gln	Lys	Lys	Ala	Asp	Glu	Pro	Asp	Asp	Ile
				245					250					255
Ser	Thr	Val	Val											

<210> 13

<211> 380

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3333139CD1

<400> 13

Met	Ala	Ala	Pro	Trp	Trp	Arg	Ala	Ala	Leu	Cys	Glu	Cys	Arg	Arg
1				5					10					15
Trp	Arg	Gly	Phe	Ser	Thr	Ser	Ala	Val	Leu	Gly	Arg	Arg	Thr	Pro
				20					25					30
Pro	Leu	Gly	Pro	Met	Pro	Asn	Ser	Asp	Ile	Asp	Leu	Ser	Asn	Leu
				35					40					45
Glu	Arg	Leu	Glu	Lys	Tyr	Arg	Ser	Phe	Asp	Arg	Tyr	Arg	Arg	Arg
				50					55					60
Ala	Glu	Gln	Glu	Ala	Gln	Ala	Pro	His	Trp	Trp	Arg	Thr	Tyr	Arg
				65					70					75
Glu	Tyr	Phe	Gly	Glu	Lys	Thr	Asp	Pro	Lys	Glu	Lys	Ile	Asp	Ile
				80					85					90
Gly	Leu	Pro	Pro	Pro	Lys	Val	Ser	Arg	Thr	Gln	Gln	Leu	Leu	Glu
				95					100					105
Arg	Lys	Gln	Ala	Ile	Gln	Glu	Leu	Arg	Ala	Asn	Val	Glu	Glu	Glu
				110					115					120
Arg	Ala	Ala	Arg	Leu	Arg	Thr	Ala	Ser	Val	Pro	Leu	Asp	Ala	Val
				125					130					135
Arg	Ala	Glu	Trp	Glu	Arg	Thr	Cys	Gly	Pro	Tyr	His	Lys	Gln	Arg
				140					145					150
Leu	Ala	Glu	Tyr	Tyr	Gly	Leu	Tyr	Arg	Asp	Leu	Phe	His	Gly	Ala
				155					160					165
Thr	Phe	Val	Pro	Arg	Val	Pro	Leu	His	Val	Ala	Tyr	Ala	Val	Gly
				170					175					180
Glu	Asp	Asp	Leu	Met	Pro	Val	Tyr	Cys	Gly	Asn	Glu	Val	Thr	Pro
				185					190					195
Thr	Glu	Ala	Ala	Gln	Ala	Pro	Glu	Val	Thr	Tyr	Glu	Ala	Glu	Glu
				200					205					210
Gly	Ser	Leu	Trp	Thr	Leu	Leu	Leu	Thr	Ser	Leu	Asp	Gly	His	Leu
				215					220					225
Leu	Glu	Pro	Asp	Ala	Glu	Tyr	Leu	His	Trp	Leu	Leu	Thr	Asn	Ile
				230					235					240
Pro	Gly	Asn	Arg	Val	Ala	Glu	Gly	Gln	Val	Thr	Cys	Pro	Tyr	Leu

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	245		250		255
Pro Pro Phe Pro	Ala Arg Gly Ser Gly	Ile His Arg Leu Ala	Phe		
	260		265		270
Leu Leu Phe Lys	Gln Asp Gln Pro Ile	Asp Phe Ser Glu Asp	Ala		
	275		280		285
Arg Pro Ser Pro	Cys Tyr Gln Leu Ala	Gln Arg Thr Phe Arg	Thr		
	290		295		300
Phe Asp Phe Tyr	Lys Lys His Gln Glu	Thr Met Thr Pro Ala	Gly		
	305		310		315
Leu Ser Phe Phe	Gln Cys Arg Trp Asp	Asp Ser Val Thr Tyr	Ile		
	320		325		330
Phe His Gln Leu	Leu Asp Met Arg Glu	Pro Val Phe Glu Phe	Val		
	335		340		345
Arg Pro Pro Pro	Tyr His Pro Lys Gln	Lys Arg Phe Pro His	Arg		
	350		355		360
Gln Pro Leu Arg	Tyr Leu Asp Arg Tyr	Arg Asp Ser His Glu	Pro		
	365		370		375
Thr Tyr Gly Ile	Tyr				
	380				

<210> 14

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3432292CD1

<400> 14

Met Ser Cys Gln Gln	Asn Gln Gln Gln	Cys Gln Pro Pro Pro	Lys
1	5	10	15
Cys Pro Pro Lys Cys	Pro Pro Lys Cys	Pro Pro Lys Cys Arg	Pro
	20	25	30
Gln Cys Pro Ala Pro	Cys Pro Pro Pro	Val Ser Ser Cys Cys	Gly
	35	40	45
Pro Ser Ser Gly Gly	Cys Cys Gly Ser	Ser Ser Gly Gly Cys	Cys
	50	55	60
Ser Ser Gly Gly Gly	Gly Cys Cys Leu	Ser His His Arg Pro	Arg
	65	70	75
Leu Phe His Arg His	Arg His Gln Ser	Pro Asp Cys Cys Glu	Ser
	80	85	90
Glu Leu Leu Gly Ala	Leu Ala Ala Ser	Thr Ala Leu Gly Thr	Ala
	95	100	105
Ala Asp Gln Thr Ser	Asn Ile Thr Glu	Gln Ala Phe Met Glu	Lys
	110	115	120
Thr Cys Lys Arg Gly	Thr Cys Pro Gln	Glu	
	125	130	

<210> 15

<211> 761

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 3478571CD1

<400> 15

Met	Ser	Leu	Arg	Ile	Asp	Val	Asp	Thr	Asn	Phe	Pro	Glu	Cys	Val
1				5					10					15
Val	Asp	Ala	Gly	Lys	Val	Thr	Leu	Gly	Thr	Gln	Gln	Arg	Gln	Glu
				20					25					30
Met	Asp	Pro	Arg	Leu	Arg	Glu	Lys	Gln	Asn	Glu	Ile	Ile	Leu	Arg
				35					40					45
Ala	Val	Cys	Ala	Leu	Leu	Asn	Ser	Gly	Gly	Gly	Ile	Ile	Lys	Ala
				50					55					60
Glu	Ile	Glu	Asn	Lys	Gly	Tyr	Asn	Tyr	Glu	Arg	His	Gly	Val	Gly
				65					70					75
Leu	Asp	Val	Pro	Pro	Ile	Phe	Arg	Ser	His	Leu	Asp	Lys	Met	Gln
				80					85					90
Lys	Glu	Asn	His	Phe	Leu	Ile	Phe	Val	Lys	Ser	Trp	Asn	Thr	Glu
				95					100					105
Ala	Gly	Val	Pro	Leu	Ala	Thr	Leu	Cys	Ser	Asn	Leu	Tyr	His	Arg
				110					115					120
Glu	Arg	Thr	Ser	Thr	Asp	Val	Met	Asp	Ser	Gln	Glu	Ala	Leu	Ala
				125					130					135
Phe	Leu	Lys	Cys	Arg	Thr	Gln	Thr	Pro	Thr	Asn	Ile	Asn	Val	Ser
				140					145					150
Asn	Ser	Leu	Gly	Pro	Gln	Ala	Ala	Gln	Gly	Ser	Val	Gln	Tyr	Glu
				155					160					165
Gly	Asn	Ile	Asn	Val	Ser	Ala	Ala	Ala	Leu	Phe	Asp	Arg	Lys	Arg
				170					175					180
Leu	Gln	Tyr	Leu	Glu	Lys	Leu	Asn	Leu	Pro	Glu	Ser	Thr	His	Val
				185					190					195
Glu	Phe	Val	Met	Phe	Ser	Thr	Asp	Val	Ser	His	Cys	Val	Lys	Asp
				200					205					210
Arg	Leu	Pro	Lys	Cys	Val	Ser	Ala	Phe	Ala	Asn	Thr	Glu	Gly	Gly
				215					220					225
Tyr	Val	Phe	Phe	Gly	Val	His	Asp	Glu	Thr	Cys	Gln	Val	Ile	Gly
				230					235					240
Cys	Glu	Lys	Glu	Lys	Ile	Asp	Leu	Thr	Ser	Leu	Arg	Ala	Ser	Ile
				245					250					255
Asp	Gly	Cys	Ile	Lys	Lys	Leu	Pro	Val	His	His	Phe	Cys	Thr	Gln
				260					265					270
Arg	Pro	Glu	Ile	Lys	Tyr	Val	Leu	Asn	Phe	Leu	Glu	Val	His	Asp
				275					280					285
Lys	Gly	Ala	Leu	Arg	Gly	Tyr	Val	Cys	Ala	Ile	Lys	Val	Glu	Lys
				290					295					300
Phe	Cys	Cys	Ala	Val	Phe	Ala	Lys	Val	Pro	Ser	Ser	Trp	Gln	Val
				305					310					315
Lys	Asp	Asn	Arg	Val	Arg	Gln	Leu	Pro	Thr	Arg	Glu	Trp	Thr	Ala
				320					325					330
Trp	Met	Met	Glu	Ala	Asp	Pro	Asp	Leu	Ser	Arg	Cys	Pro	Glu	Met
				335					340					345
Val	Leu	Gln	Leu	Ser	Leu	Ser	Ser	Ala	Thr	Pro	Arg	Ser	Lys	Pro
				350					355					360
Val	Cys	Ile	His	Lys	Asn	Ser	Glu	Cys	Leu	Lys	Glu	Gln	Gln	Lys

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				365					370					375
Arg	Tyr	Phe	Pro	Val	Phe	Ser	Asp	Arg	Val	Val	Tyr	Thr	Pro	Glu
				380					385					390
Ser	Leu	Tyr	Lys	Glu	Leu	Phe	Ser	Gln	His	Lys	Gly	Leu	Arg	Asp
				395					400					405
Leu	Ile	Asn	Thr	Glu	Met	Arg	Pro	Phe	Ser	Gln	Gly	Ile	Leu	Ile
				410					415					420
Phe	Ser	Gln	Ser	Trp	Ala	Val	Asp	Leu	Gly	Leu	Gln	Glu	Lys	Gln
				425					430					435
Gly	Val	Ile	Cys	Asp	Ala	Leu	Leu	Ile	Ser	Gln	Asn	Asn	Thr	Pro
				440					445					450
Ile	Leu	Tyr	Thr	Ile	Phe	Ser	Lys	Trp	Asp	Ala	Gly	Cys	Lys	Gly
				455					460					465
Tyr	Ser	Met	Ile	Val	Ala	Tyr	Ser	Leu	Lys	Gln	Lys	Leu	Val	Asn
				470					475					480
Lys	Gly	Gly	Tyr	Thr	Gly	Arg	Leu	Cys	Ile	Thr	Pro	Leu	Val	Cys
				485					490					495
Val	Leu	Asn	Ser	Asp	Arg	Lys	Ala	Gln	Ser	Val	Tyr	Ser	Ser	Tyr
				500					505					510
Leu	Gln	Ile	Tyr	Pro	Glu	Ser	Tyr	Asn	Phe	Met	Thr	Pro	Gln	His
				515					520					525
Met	Glu	Ala	Leu	Leu	Gln	Ser	Leu	Val	Ile	Val	Leu	Leu	Gly	Phe
				530					535					540
Lys	Ser	Phe	Leu	Ser	Glu	Glu	Leu	Gly	Ser	Glu	Val	Leu	Asn	Leu
				545					550					555
Leu	Thr	Asn	Lys	Gln	Tyr	Glu	Leu	Leu	Ser	Lys	Asn	Leu	Arg	Lys
				560					565					570
Thr	Arg	Glu	Leu	Phe	Val	His	Gly	Leu	Pro	Gly	Ser	Gly	Lys	Thr
				575					580					585
Ile	Leu	Ala	Leu	Arg	Ile	Met	Glu	Lys	Ile	Arg	Asn	Val	Phe	His
				590					595					600
Cys	Glu	Pro	Ala	Asn	Ile	Leu	Tyr	Ile	Cys	Glu	Asn	Gln	Pro	Leu
				605					610					615
Lys	Lys	Leu	Val	Ser	Phe	Ser	Lys	Lys	Asn	Ile	Cys	Gln	Pro	Val
				620					625					630
Thr	Arg	Lys	Thr	Phe	Met	Lys	Asn	Asn	Phe	Glu	His	Ile	Gln	His
				635					640					645
Ile	Ile	Ile	Asp	Asp	Ala	Gln	Asn	Phe	Arg	Thr	Glu	Asp	Gly	Asp
				650					655					660
Trp	Tyr	Gly	Lys	Ala	Lys	Phe	Ile	Thr	Gln	Thr	Ala	Arg	Asp	Gly
				665					670					675
Pro	Gly	Val	Leu	Trp	Ile	Phe	Leu	Asp	Tyr	Phe	Gln	Thr	Tyr	His
				680					685					690
Leu	Ser	Cys	Ser	Gly	Leu	Pro	Pro	Pro	Ser	Asp	Gln	Tyr	Pro	Arg
				695					700					705
Glu	Glu	Ile	Asn	Arg	Val	Val	Arg	Asn	Ala	Gly	Pro	Ile	Ala	Asn
				710					715					720
Tyr	Leu	Gln	Gln	Val	Met	Gln	Glu	Ala	Arg	Gln	Asn	Pro	Pro	Pro
				725					730					735
Asn	Leu	Pro	Pro	Gly	Ser	Leu	Val	Met	Leu	Tyr	Glu	Pro	Lys	Trp
				740					745					750
Ala	Gln	Gly	Cys	Pro	Arg	Gln	Leu	Arg	Asp	Tyr				
				755					760					

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<210> 16

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3495166CD1

<400> 16

Met	Ser	Ser	Ala	Pro	Ala	Ser	Gly	Pro	Ala	Pro	Ala	Ser	Leu	Thr
1				5					10					15
Leu	Trp	Asp	Glu	Glu	Asp	Phe	Gln	Gly	Arg	Arg	Cys	Arg	Leu	Leu
			20						25					30
Ser	Asp	Cys	Ala	Asn	Val	Cys	Glu	Arg	Gly	Gly	Leu	Pro	Arg	Val
			35						40					45
Arg	Ser	Val	Lys	Val	Glu	Asn	Gly	Val	Trp	Val	Ala	Phe	Glu	Tyr
			50						55					60
Pro	Asp	Phe	Gln	Gly	Gln	Gln	Phe	Ile	Leu	Glu	Lys	Gly	Asp	Tyr
			65						70					75
Pro	Arg	Trp	Ser	Ala	Trp	Ser	Gly	Ser	Ser	Ser	His	Asn	Ser	Asn
			80						85					90
Gln	Leu	Leu	Ser	Phe	Arg	Pro	Val	Leu	Cys	Ala	Asn	His	Asn	Asp
			95						100					105
Ser	Arg	Val	Thr	Leu	Phe	Glu	Gly	Asp	Asn	Phe	Gln	Gly	Cys	Lys
			110						115					120
Phe	Asp	Leu	Val	Asp	Asp	Tyr	Pro	Ser	Leu	Pro	Ser	Met	Gly	Trp
			125						130					135
Ala	Ser	Lys	Asp	Val	Gly	Ser	Leu	Lys	Val	Ser	Ser	Gly	Ala	Trp
			140						145					150
Val	Ala	Tyr	Gln	Tyr	Pro	Gly	Tyr	Arg	Gly	Tyr	Gln	Tyr	Val	Leu
			155						160					165
Glu	Arg	Asp	Arg	His	Ser	Gly	Glu	Phe	Cys	Thr	Tyr	Gly	Glu	Leu
			170						175					180
Gly	Thr	Gln	Ala	His	Thr	Gly	Gln	Leu	Gln	Ser	Ile	Arg	Arg	Val
			185						190					195
Gln	His													

<210> 17

<211> 339

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3554748CD1

<400> 17

Met	Pro	Glu	Cys	Trp	Asp	Gly	Glu	His	Asp	Ile	Glu	Thr	Pro	Tyr
1				5					10					15
Gly	Leu	Leu	His	Val	Val	Ile	Arg	Gly	Ser	Pro	Lys	Gly	Asn	Arg
			20						25					30
Pro	Ala	Ile	Leu	Thr	Tyr	His	Asp	Val	Gly	Leu	Asn	His	Lys	Leu

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				35					40					45
Cys	Phe	Asn	Thr	Phe	Phe	Asn	Phe	Glu	Asp	Met	Gln	Glu	Ile	Thr
				50					55					60
Lys	His	Phe	Val	Val	Cys	His	Val	Asp	Ala	Pro	Gly	Gln	Gln	Val
				65					70					75
Gly	Ala	Ser	Gln	Phe	Pro	Gln	Gly	Tyr	Gln	Phe	Pro	Ser	Met	Glu
				80					85					90
Gln	Leu	Ala	Ala	Met	Leu	Pro	Ser	Val	Val	Gln	His	Phe	Gly	Phe
				95					100					105
Lys	Tyr	Val	Ile	Gly	Ile	Gly	Val	Gly	Ala	Gly	Ala	Tyr	Val	Leu
				110					115					120
Ala	Lys	Phe	Ala	Leu	Ile	Phe	Pro	Asp	Leu	Val	Glu	Gly	Leu	Val
				125					130					135
Leu	Val	Asn	Ile	Asp	Pro	Asn	Gly	Lys	Gly	Trp	Ile	Asp	Trp	Ala
				140					145					150
Ala	Thr	Lys	Leu	Ser	Gly	Leu	Thr	Ser	Thr	Leu	Pro	Asp	Thr	Val
				155					160					165
Leu	Ser	His	Leu	Phe	Ser	Gln	Glu	Glu	Leu	Val	Asn	Asn	Thr	Glu
				170					175					180
Leu	Val	Gln	Ser	Tyr	Arg	Gln	Gln	Ile	Gly	Asn	Val	Val	Asn	Gln
				185					190					195
Ala	Asn	Leu	Gln	Leu	Phe	Trp	Asn	Met	Tyr	Asn	Ser	Arg	Arg	Asp
				200					205					210
Leu	Asp	Ile	Asn	Arg	Pro	Gly	Thr	Val	Pro	Asn	Ala	Lys	Thr	Leu
				215					220					225
Arg	Cys	Pro	Val	Met	Leu	Val	Val	Gly	Asp	Asn	Ala	Pro	Ala	Glu
				230					235					240
Asp	Gly	Val	Val	Glu	Cys	Asn	Ser	Lys	Leu	Asp	Pro	Thr	Thr	Thr
				245					250					255
Thr	Phe	Leu	Lys	Met	Ala	Asp	Ser	Gly	Gly	Leu	Pro	Gln	Val	Thr
				260					265					270
Gln	Pro	Gly	Lys	Leu	Thr	Glu	Ala	Phe	Lys	Tyr	Phe	Leu	Gln	Gly
				275					280					285
Met	Gly	Tyr	Met	Pro	Ser	Ala	Ser	Met	Thr	Arg	Leu	Ala	Arg	Ser
				290					295					300
Arg	Thr	Ala	Ser	Leu	Thr	Ser	Ala	Ser	Ser	Val	Asp	Gly	Ser	Arg
				305					310					315
Pro	Gln	Ala	Cys	Thr	His	Ser	Glu	Ser	Ser	Glu	Gly	Leu	Gly	Gln
				320					325					330
Val	Asn	His	Thr	Met	Glu	Val	Ser	Cys						
				335										

<210> 18

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3555629CD1

<220>

<221> unsure

<222> (1) ... (109)

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<223> unknown or other

<400> 18

Met	Glu	Arg	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Leu	Arg	Asn	Leu	Arg
1				5					10					15
Asp	Phe	Leu	Leu	Val	Tyr	Asn	Arg	Met	Thr	Glu	Leu	Cys	Phe	Gln
				20					25					30
Arg	Cys	Val	Pro	Ser	Leu	His	His	Arg	Ala	Leu	Asp	Ala	Glu	Glu
				35					40					45
Glu	Ala	Cys	Val	Pro	Ser	Cys	Ala	Gly	Lys	Leu	Ile	His	Ser	Asn
				50					55					60
His	Arg	Leu	Met	Ala	Ala	Tyr	Val	Gln	Leu	Met	Pro	Ala	Leu	Val
				65					70					75
Gln	Arg	Arg	Ile	Ala	Asp	Tyr	Glu	Ala	Ala	Ser	Ala	Val	Pro	Gly
				80					85					90
Val	Ala	Ala	Glu	Gln	Pro	Gly	Val	Ser	Pro	Ser	Gly	Ser	Ser	Asp
				95					100					105
Xaa	Xaa	Xaa	Xaa											

<210> 19

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 639636CD1

<400> 19

Met	Thr	Lys	Lys	Lys	Val	Ser	Gln	Lys	Lys	Gln	Arg	Gly	Arg	Pro
1				5					10					15
Ser	Ser	Gln	Pro	Arg	Arg	Asn	Ile	Val	Gly	Cys	Arg	Ile	Ser	His
				20					25					30
Gly	Trp	Lys	Glu	Gly	Asp	Glu	Pro	Ile	Thr	Gln	Trp	Lys	Gly	Thr
				35					40					45
Val	Leu	Asp	Gln	Leu	Leu	Asp	Asp	Tyr	Lys	Glu	Gly	Asp	Leu	Arg
				50					55					60
Ile	Met	Pro	Glu	Ser	Ser	Glu	Ser	Pro	Pro	Thr	Glu	Arg	Glu	Pro
				65					70					75
Gly	Gly	Val	Val	Asp	Gly	Leu	Ile	Gly	Lys	His	Val	Glu	Tyr	Thr
				80					85					90
Lys	Glu	Asp	Gly	Ser	Lys	Arg	Ile	Gly	Met	Val	Ile	His	Gln	Val
				95					100					105
Glu	Ala	Lys	Pro	Ser	Val	Tyr	Phe	Ile	Lys	Phe	Asp	Asp	Asp	Phe
				110					115					120
His	Ile	Tyr	Val	Tyr	Asp	Leu	Val	Lys	Lys	Ser				
				125					130					

<210> 20

<211> 194

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 902218CD1

<400> 20

Met	Gly	Ala	Asn	Gln	Leu	Val	Val	Leu	Asn	Val	Tyr	Asp	Met	Tyr	
1				5					10					15	
Trp	Met	Asn	Glu	Tyr	Thr	Ser	Ser	Ile	Gly	Ile	Gly	Val	Phe	His	
				20					25					30	
Ser	Gly	Ile	Glu	Val	Tyr	Gly	Arg	Glu	Phe	Ala	Tyr	Gly	Gly	His	
				35					40					45	
Pro	Tyr	Pro	Phe	Ser	Gly	Ile	Phe	Glu	Ile	Ser	Pro	Gly	Asn	Ala	
				50					55					60	
Ser	Glu	Leu	Gly	Glu	Thr	Phe	Lys	Phe	Lys	Glu	Ala	Val	Val	Leu	
				65					70					75	
Gly	Ser	Thr	Asp	Phe	Leu	Glu	Asp	Asp	Ile	Glu	Lys	Ile	Val	Glu	
				80					85					90	
Glu	Leu	Gly	Lys	Glu	Tyr	Lys	Gly	Asn	Ala	Tyr	His	Leu	Met	His	
				95					100					105	
Lys	Asn	Cys	Asn	His	Phe	Ser	Ser	Ala	Leu	Ser	Glu	Ile	Leu	Cys	
				110					115					120	
Gly	Lys	Glu	Ile	Pro	Arg	Trp	Ile	Asn	Arg	Leu	Ala	Tyr	Phe	Ser	
				125					130					135	
Ser	Cys	Ile	Pro	Phe	Leu	Gln	Ser	Cys	Leu	Pro	Lys	Glu	Trp	Leu	
				140					145					150	
Thr	Pro	Ala	Ala	Leu	Gln	Ser	Ser	Val	Ser	Gln	Glu	Leu	Gln	Asp	
				155					160					165	
Glu	Leu	Glu	Glu	Ala	Glu	Asp	Ala	Ala	Ala	Ser	Ala	Ser	Val	Ala	
				170					175					180	
Ser	Thr	Ala	Ala	Gly	Ser	Arg	Pro	Gly	Arg	His	Thr	Lys	Leu		
				185					190						

<210> 21

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1360522CD1

<400> 21

Met	Ala	Thr	Ala	Leu	Ala	Leu	Arg	Ser	Leu	Tyr	Arg	Ala	Arg	Pro	
1				5					10					15	
Ser	Leu	Arg	Cys	Pro	Pro	Val	Glu	Leu	Pro	Trp	Ala	Pro	Arg	Arg	
				20					25					30	
Gly	His	Arg	Leu	Ser	Pro	Ala	Asp	Asp	Glu	Leu	Tyr	Gln	Arg	Thr	
				35					40					45	
Arg	Ile	Ser	Leu	Leu	Gln	Arg	Glu	Ala	Ala	Gln	Ala	Met	Tyr	Ile	
				50					55					60	
Asp	Ser	Tyr	Asn	Ser	Arg	Gly	Phe	Met	Ile	Asn	Gly	Asn	Arg	Val	
				65					70					75	
Leu	Gly	Pro	Cys	Ala	Leu	Leu	Pro	His	Ser	Val	Val	Gln	Trp	Asn	
				80					85					90	

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Val	Gly	Ser	His	Gln	Asp	Ile	Thr	Glu	Asp	Ser	Phe	Ser	Leu	Phe	
				95					100					105	
Trp	Leu	Leu	Glu	Pro	Arg	Ile	Glu	Ile	Val	Val	Val	Gly	Thr	Gly	
				110					115					120	
Asp	Arg	Thr	Glu	Arg	Leu	Gln	Ser	Gln	Val	Leu	Gln	Ala	Met	Arg	
				125					130					135	
Gln	Arg	Gly	Ile	Ala	Val	Glu	Val	Gln	Asp	Thr	Pro	Asn	Ala	Cys	
				140					145					150	
Ala	Thr	Phe	Asn	Phe	Leu	Cys	His	Glu	Gly	Arg	Val	Thr	Gly	Ala	
				155					160					165	
Ala	Leu	Ile	Pro	Pro	Pro	Gly	Gly	Thr	Ser	Leu	Thr	Ser	Leu	Gly	
				170					175					180	
Gln	Ala	Ala	Gln												

<210> 22

<211> 528

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1400678CD1

<400> 22

Met	Ala	Ser	Met	Arg	Glu	Ser	Asp	Thr	Gly	Leu	Trp	Leu	His	Asn	
1				5					10					15	
Lys	Leu	Gly	Ala	Thr	Asp	Glu	Leu	Trp	Ala	Pro	Pro	Ser	Ile	Ala	
				20					25					30	
Ser	Leu	Leu	Thr	Ala	Ala	Val	Ile	Asp	Asn	Ile	Arg	Leu	Cys	Phe	
				35					40					45	
His	Gly	Leu	Ser	Ser	Ala	Val	Lys	Leu	Lys	Leu	Leu	Leu	Gly	Thr	
				50					55					60	
Leu	His	Leu	Pro	Arg	Arg	Thr	Val	Asp	Glu	Met	Lys	Gly	Ala	Leu	
				65					70					75	
Met	Glu	Ile	Ile	Gln	Leu	Ala	Ser	Leu	Asp	Ser	Asp	Pro	Trp	Val	
				80					85					90	
Leu	Met	Val	Ala	Asp	Ile	Leu	Lys	Ser	Phe	Pro	Asp	Thr	Gly	Ser	
				95					100					105	
Leu	Asn	Leu	Glu	Leu	Glu	Glu	Gln	Asn	Pro	Asn	Val	Gln	Asp	Ile	
				110					115					120	
Leu	Gly	Glu	Leu	Arg	Glu	Lys	Val	Gly	Glu	Cys	Glu	Ala	Ser	Ala	
				125					130					135	
Met	Leu	Pro	Leu	Glu	Cys	Gln	Tyr	Leu	Asn	Lys	Asn	Ala	Leu	Thr	
				140					145					150	
Thr	Leu	Ala	Gly	Pro	Leu	Thr	Pro	Pro	Val	Lys	His	Phe	Gln	Leu	
				155					160					165	
Lys	Arg	Lys	Pro	Lys	Ser	Ala	Thr	Leu	Arg	Ala	Glu	Leu	Leu	Gln	
				170					175					180	
Lys	Ser	Thr	Glu	Thr	Ala	Gln	Gln	Leu	Lys	Arg	Ser	Ala	Gly	Val	
				185					190					195	
Pro	Phe	His	Ala	Lys	Gly	Arg	Gly	Leu	Leu	Arg	Lys	Met	Asp	Thr	
				200					205					210	
Thr	Thr	Pro	Leu	Lys	Gly	Ile	Pro	Lys	Gln	Ala	Pro	Phe	Arg	Ser	

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	215		220		225
Pro Thr Ala Pro	Ser Val Phe Ser Pro	Thr Gly Asn Arg Thr	Pro		
	230		235		240
Ile Pro Pro Ser	Arg Thr Leu Leu Arg	Lys Glu Arg Gly Val	Lys		
	245		250		255
Leu Leu Asp Ile	Ser Glu Leu Asp Met	Val Gly Ala Gly Arg	Glu		
	260		265		270
Ala Lys Arg Arg	Arg Lys Thr Leu Asp	Ala Glu Val Val Glu	Lys		
	275		280		285
Pro Ala Lys Glu	Glu Thr Val Val Glu	Asn Ala Thr Pro Asp	Tyr		
	290		295		300
Ala Ala Gly Leu	Val Ser Thr Gln Lys	Leu Gly Ser Leu Asn	Asn		
	305		310		315
Glu Pro Ala Leu	Pro Ser Thr Ser Tyr	Leu Pro Ser Thr Pro	Ser		
	320		325		330
Val Val Pro Ala	Ser Ser Tyr Ile Pro	Ser Ser Glu Thr Pro	Pro		
	335		340		345
Ala Pro Ser Ser	Arg Glu Ala Ser Arg	Pro Pro Glu Glu Pro	Ser		
	350		355		360
Ala Pro Ser Pro	Thr Leu Pro Ala Gln	Phe Lys Gln Arg Ala	Pro		
	365		370		375
Met Tyr Asn Ser	Gly Leu Ser Pro Ala	Thr Pro Thr Pro Ala	Ala		
	380		385		390
Pro Thr Ser Pro	Leu Thr Pro Thr Thr	Pro Pro Ala Val Ala	Pro		
	395		400		405
Thr Thr Gln Thr	Pro Pro Val Ala Met	Val Ala Pro Gln Thr	Gln		
	410		415		420
Ala Pro Ala Gln	Gln Gln Pro Lys Lys	Asn Leu Ser Leu Thr	Arg		
	425		430		435
Glu Gln Met Phe	Ala Ala Gln Glu Met	Phe Lys Thr Ala Asn	Lys		
	440		445		450
Val Thr Arg Pro	Glu Lys Ala Leu Ile	Leu Gly Phe Met Ala	Gly		
	455		460		465
Ser Arg Glu Asn	Pro Cys Gln Glu Gln	Gly Asp Val Ile Gln	Ile		
	470		475		480
Lys Leu Ser Glu	His Thr Glu Asp Leu	Pro Lys Ala Asp Gly	Gln		
	485		490		495
Gly Ser Thr Thr	Met Leu Val Asp Thr	Val Phe Glu Met Asn	Tyr		
	500		505		510
Ala Thr Gly Gln	Trp Thr Arg Phe Lys	Lys Tyr Lys Pro Met	Thr		
	515		520		525
Asn Val Ser					

<210> 23

<211> 298

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1435556CD1

<400> 23

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Met	Thr	Thr	Ile	Tyr	Asp	Leu	Lys	Lys	Gln	Lys	Asp	Lys	Leu	Leu
1				5					10					15
Lys	Phe	Tyr	Ala	Glu	Ser	Asp	Glu	Gln	Ile	Leu	Met	Lys	Asn	Arg
				20					25					30
Lys	Thr	Leu	His	Lys	Ala	Lys	Asn	Glu	Asp	Leu	Asp	Arg	Val	Leu
				35					40					45
Lys	Glu	Trp	Ile	Arg	Gln	Arg	Arg	Ser	Glu	His	Met	Pro	Leu	Asn
				50					55					60
Gly	Met	Leu	Ile	Met	Lys	Gln	Ala	Lys	Ile	Tyr	His	Asn	Glu	Leu
				65					70					75
Lys	Ile	Glu	Gly	Asn	Cys	Glu	Tyr	Ser	Thr	Gly	Trp	Leu	Gln	Lys
				80					85					90
Phe	Lys	Lys	Arg	His	Gly	Ile	Lys	Phe	Leu	Lys	Thr	Cys	Gly	Asn
				95					100					105
Lys	Ala	Ser	Ala	Gly	His	Glu	Ala	Thr	Glu	Lys	Phe	Thr	Gly	Asn
				110					115					120
Phe	Ser	Asn	Asp	Asp	Glu	Gln	Asp	Gly	Asn	Phe	Glu	Gly	Phe	Ser
				125					130					135
Met	Ser	Ser	Glu	Lys	Lys	Ile	Met	Ser	Asp	Leu	Leu	Thr	Tyr	Thr
				140					145					150
Lys	Asn	Ile	His	Pro	Glu	Thr	Val	Ser	Lys	Leu	Glu	Glu	Glu	Asp
				155					160					165
Ile	Lys	Asp	Val	Phe	Asn	Ser	Asn	Asn	Glu	Ala	Pro	Val	Val	His
				170					175					180
Ser	Leu	Ser	Asn	Gly	Glu	Val	Thr	Lys	Met	Val	Leu	Asn	Gln	Asp
				185					190					195
Asp	His	Asp	Asp	Asn	Asp	Asn	Glu	Asp	Asp	Val	Asn	Thr	Ala	Glu
				200					205					210
Lys	Val	Pro	Ile	Asp	Asp	Met	Val	Lys	Met	Cys	Asp	Gly	Leu	Ile
				215					220					225
Lys	Gly	Leu	Glu	Gln	His	Ala	Phe	Ile	Thr	Glu	Gln	Glu	Ile	Met
				230					235					240
Ser	Val	Tyr	Lys	Ile	Lys	Glu	Arg	Leu	Leu	Arg	Gln	Lys	Ala	Ser
				245					250					255
Leu	Met	Arg	Gln	Met	Thr	Leu	Lys	Glu	Thr	Phe	Lys	Lys	Ala	Ile
				260					265					270
Gln	Arg	Asn	Ala	Ser	Ser	Ser	Leu	Gln	Asp	Pro	Leu	Leu	Gly	Pro
				275					280					285
Ser	Thr	Ala	Ser	Asp	Ala	Ser	Ser	His	Leu	Lys	Ile	Lys		
				290					295					

<210> 24

<211> 630

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1546633CD1

<400> 24

Met	Pro	Gln	Gln	Gln	His	Lys	Val	Ser	Pro	Ala	Ser	Glu	Ser	Pro
1				5					10					15
Phe	Ser	Glu	Glu	Glu	Ser	Arg	Glu	Phe	Asn	Pro	Ser	Ser	Ser	Gly

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				20					25				30	
Arg	Ser	Ala	Arg	Thr	Val	Ser	Ser	Asn	Ser	Phe	Cys	Ser	Asp	Asp
				35					40					45
Thr	Gly	Cys	Pro	Ser	Ser	Gln	Ser	Val	Ser	Pro	Val	Lys	Thr	Pro
				50					55					60
Ser	Asp	Ala	Gly	Asn	Ser	Pro	Ile	Gly	Phe	Cys	Pro	Gly	Ser	Asp
				65					70					75
Glu	Gly	Phe	Thr	Arg	Lys	Lys	Cys	Thr	Ile	Gly	Met	Val	Gly	Glu
				80					85					90
Gly	Ser	Ile	Gln	Ser	Ser	Arg	Tyr	Lys	Lys	Glu	Ser	Lys	Ser	Gly
				95					100					105
Leu	Val	Lys	Pro	Gly	Ser	Glu	Ala	Asp	Phe	Ser	Ser	Ser	Ser	Ser
				110					115					120
Thr	Gly	Ser	Ile	Ser	Ala	Pro	Glu	Val	His	Met	Ser	Thr	Ala	Gly
				125					130					135
Ser	Lys	Arg	Ser	Ser	Ser	Ser	Arg	Asn	Arg	Gly	Pro	His	Gly	Arg
				140					145					150
Ser	Asn	Gly	Ala	Ser	Ser	His	Lys	Pro	Gly	Ser	Ser	Pro	Ser	Ser
				155					160					165
Pro	Arg	Glu	Lys	Asp	Leu	Leu	Ser	Met	Leu	Cys	Arg	Asn	Gln	Leu
				170					175					180
Ser	Pro	Val	Asn	Ile	His	Pro	Ser	Tyr	Ala	Pro	Ser	Ser	Pro	Ser
				185					190					195
Ser	Ser	Asn	Ser	Gly	Ser	Tyr	Lys	Gly	Ser	Asp	Cys	Ser	Pro	Ile
				200					205					210
Met	Arg	Arg	Ser	Gly	Arg	Tyr	Met	Ser	Cys	Gly	Glu	Asn	His	Gly
				215					220					225
Val	Arg	Pro	Pro	Asn	Pro	Glu	Gln	Tyr	Leu	Thr	Pro	Leu	Gln	Gln
				230					235					240
Lys	Glu	Val	Thr	Val	Arg	His	Leu	Lys	Ile	Lys	Leu	Lys	Glu	Ser
				245					250					255
Glu	Arg	Arg	Leu	His	Glu	Arg	Glu	Ser	Glu	Ile	Val	Glu	Leu	Lys
				260					265					270
Ser	Gln	Leu	Ala	Arg	Met	Arg	Glu	Asp	Trp	Ile	Glu	Glu	Glu	Cys
				275					280					285
His	Arg	Val	Glu	Ala	Gln	Leu	Ala	Leu	Lys	Glu	Ala	Arg	Lys	Glu
				290					295					300
Ile	Lys	Gln	Leu	Lys	Gln	Val	Ile	Glu	Thr	Met	Arg	Ser	Ser	Leu
				305					310					315
Ala	Asp	Lys	Asp	Lys	Gly	Ile	Gln	Lys	Tyr	Phe	Val	Asp	Ile	Asn
				320					325					330
Ile	Gln	Asn	Lys	Lys	Leu	Glu	Ser	Leu	Leu	Gln	Ser	Met	Glu	Met
				335					340					345
Ala	His	Ser	Gly	Ser	Leu	Arg	Asp	Glu	Leu	Cys	Leu	Asp	Phe	Pro
				350					355					360
Cys	Asp	Ser	Pro	Glu	Lys	Ser	Leu	Thr	Leu	Asn	Pro	Pro	Leu	Asp
				365					370					375
Thr	Met	Ala	Asp	Gly	Leu	Ser	Leu	Glu	Glu	Gln	Val	Thr	Gly	Glu
				380					385					390
Gly	Ala	Asp	Arg	Glu	Leu	Leu	Val	Gly	Asp	Ser	Ile	Ala	Asn	Ser
				395					400					405
Thr	Asp	Leu	Phe	Asp	Glu	Ile	Val	Thr	Ala	Thr	Thr	Thr	Glu	Ser
				410					415					420
Gly	Asp	Leu	Glu	Leu	Val	His	Ser	Thr	Pro	Gly	Ala	Asn	Val	Leu

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	425		430		435
Glu Leu Leu Pro Ile Val Met Gly Gln Glu Glu Gly Ser Val Val					
	440		445		450
Val Glu Arg Ala Val Gln Thr Asp Val Val Pro Tyr Ser Pro Ala					
	455		460		465
Ile Ser Glu Leu Ile Gln Ser Val Leu Gln Lys Leu Gln Asp Pro					
	470		475		480
Cys Pro Ser Ser Leu Ala Ser Pro Asp Glu Ser Glu Pro Asp Ser					
	485		490		495
Met Glu Ser Phe Pro Glu Ser Leu Ser Ala Leu Val Val Asp Leu					
	500		505		510
Thr Pro Arg Asn Pro Asn Ser Ala Ile Leu Leu Ser Pro Val Glu					
	515		520		525
Thr Pro Tyr Ala Asn Val Asp Ala Glu Val His Ala Asn Arg Leu					
	530		535		540
Met Arg Glu Leu Asp Phe Ala Ala Cys Val Glu Glu Arg Leu Asp					
	545		550		555
Gly Val Ile Pro Leu Ala Arg Gly Gly Val Val Arg Gln Tyr Trp					
	560		565		570
Ser Ser Ser Phe Leu Val Asp Leu Leu Ala Val Ala Ala Pro Val					
	575		580		585
Val Pro Thr Val Leu Trp Ala Phe Ser Thr Gln Arg Gly Gly Thr					
	590		595		600
Asp Pro Val Tyr Asn Ile Gly Ala Leu Leu Arg Gly Cys Cys Val					
	605		610		615
Val Ala Leu His Ser Leu Arg Arg Thr Ala Phe Arg Ile Lys Thr					
	620		625		630

<210> 25

<211> 339

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1794031CD1

<400> 25

Met Asp Glu Asp Leu Ser Ala Ser Gln Asp His Ser Gln Ala Val		
1	5	10
Thr Leu Ile Gln Glu Lys Met Thr Leu Phe Lys Ser Leu Met Asp		
	20	25
Arg Phe Glu His His Ser Asn Ile Leu Leu Thr Phe Glu Asn Lys		
	35	40
Asp Glu Asn His Leu Pro Leu Val Pro Pro Asn Lys Leu Glu Glu		
	50	55
Met Lys Arg Arg Ile Asn Asn Ile Leu Glu Lys Lys Phe Ile Leu		
	65	70
Leu Leu Glu Phe His Tyr Tyr Lys Cys Leu Val Leu Gly Leu Val		
	80	85
Asp Glu Val Lys Ser Lys Leu Asp Ile Trp Asn Ile Lys Tyr Gly		
	95	100
Ser Arg Glu Ser Val Glu Leu Leu Leu Glu Asp Trp His Lys Phe		

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Ile	Glu	Glu	Lys	Glu	Phe	Leu	Ala	Arg	Leu	Asp	Thr	Ser	Phe	Gln
				110					115					120
Lys	Cys	Gly	Glu	Ile	Tyr	Lys	Asn	Leu	Ala	Gly	Glu	Cys	Gln	Asn
				125					130					135
Ile	Asn	Lys	Gln	Tyr	Met	Met	Val	Lys	Ser	Asp	Val	Cys	Met	Tyr
				140					145					150
Arg	Lys	Asn	Ile	Tyr	Asn	Val	Lys	Ser	Thr	Leu	Gln	Lys	Val	Leu
				155					160					165
Ala	Cys	Trp	Ala	Thr	Tyr	Val	Glu	Asn	Leu	Arg	Leu	Leu	Arg	Ala
				170					175					180
Cys	Phe	Glu	Glu	Thr	Lys	Lys	Glu	Glu	Ile	Lys	Glu	Val	Pro	Phe
				185					190					195
Glu	Thr	Leu	Ala	Gln	Trp	Asn	Leu	Glu	His	Ala	Thr	Leu	Asn	Glu
				200					205					210
Ala	Gly	Asn	Phe	Leu	Val	Glu	Val	Ser	Asn	Asp	Val	Val	Gly	Ser
				215					220					225
Ser	Ile	Ser	Lys	Glu	Leu	Arg	Arg	Leu	Asn	Lys	Arg	Trp	Arg	Lys
				230					235					240
Leu	Val	Ser	Lys	Thr	Gln	Leu	Glu	Met	Asn	Leu	Pro	Leu	Met	Ile
				245					250					255
Lys	Lys	Gln	Asp	Gln	Pro	Thr	Phe	Asp	Asn	Ser	Gly	Asn	Ile	Leu
				260					265					270
Ser	Lys	Glu	Glu	Lys	Ala	Thr	Val	Glu	Phe	Ser	Thr	Asp	Met	Ser
				275					280					285
Val	Glu	Leu	Pro	Glu	Asn	Tyr	Asn	Gln	Asn	Ile	Lys	Ala	Gly	Glu
				290					295					300
Lys	His	Glu	Lys	Glu	Asn	Glu	Glu	Phe	Thr	Gly	Gln	Leu	Lys	Val
				305					310					315
Ala	Lys	Asp	Val	Glu	Lys	Leu	Ile	Gly						320
				320					325					330
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<210> 26

<211> 189

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2060563CD1

<400> 26

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Trp	Pro	Trp	Gln	Val	Leu	Ser	Lys	Gly	Asp	Lys	Glu	Glu	Val	Ala
				20					25					30
Tyr	Glu	Glu	Arg	Ala	Cys	Glu	Gly	Gly	Lys	Phe	Ala	Thr	Val	Glu
				35					40					45
Val	Thr	Asp	Lys	Pro	Val	Asp	Glu	Ala	Leu	Arg	Glu	Ala	Met	Pro
				50					55					60
Lys	Val	Ala	Lys	Tyr	Ala	Gly	Gly	Thr	Asn	Asp	Lys	Gly	Ile	Gly
				65					70					75
Met	Gly	Met	Thr	Val	Pro	Ile	Ser	Phe	Ala	Val	Phe	Pro	Asn	Glu
				80					85					90

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Asp	Gly	Ser	Leu	Gln	Lys	Lys	Leu	Lys	Val	Trp	Phe	Arg	Ile	Pro	
				95					100					105	
Asn	Gln	Phe	Gln	Ser	Asp	Pro	Pro	Ala	Pro	Ser	Asp	Lys	Ser	Val	
				110					115					120	
Lys	Ile	Glu	Glu	Arg	Glu	Gly	Ile	Thr	Val	Tyr	Ser	Met	Gln	Phe	
				125					130					135	
Gly	Gly	Tyr	Ala	Lys	Glu	Ala	Asp	Tyr	Val	Ala	Gln	Ala	Thr	Arg	
				140					145					150	
Leu	Arg	Ala	Ala	Leu	Glu	Gly	Thr	Ala	Thr	Tyr	Arg	Gly	Asp	Ile	
				155					160					165	
Tyr	Phe	Cys	Thr	Gly	Tyr	Asp	Pro	Pro	Met	Lys	Pro	Tyr	Gly	Arg	
				170					175					180	
Arg	Asn	Glu	Ile	Trp	Leu	Leu	Lys	Thr							
				185											

<210> 27

<211> 530

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2573955CD1

<400> 27

Met	Leu	Leu	Trp	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Thr	
1				5					10					15	
Leu	Ala	Leu	Leu	Arg	Gln	Gln	Arg	Ser	Gln	Asp	Ala	Arg	Leu	Ser	
				20					25					30	
Trp	Leu	Ala	Gly	Leu	Gln	His	Arg	Val	Ala	Trp	Gly	Ala	Leu	Val	
				35					40					45	
Trp	Ala	Ala	Thr	Trp	Gln	Arg	Arg	Arg	Leu	Glu	Gln	Ser	Thr	Leu	
				50					55					60	
His	Val	His	Gln	Ser	Gln	Gln	Gln	Ala	Leu	Arg	Trp	Cys	Leu	Gln	
				65					70					75	
Gly	Ala	Gln	Arg	Pro	His	Cys	Ser	Leu	Arg	Arg	Ser	Thr	Asp	Ile	
				80					85					90	
Ser	Thr	Phe	Arg	Asn	His	Leu	Pro	Leu	Thr	Lys	Ala	Ser	Gln	Thr	
				95					100					105	
Gln	Gln	Glu	Asp	Ser	Gly	Glu	Gln	Pro	Leu	Ala	Pro	Thr	Ser	Asn	
				110					115					120	
Gln	Asp	Leu	Gly	Glu	Ala	Ser	Leu	Gln	Ala	Thr	Leu	Leu	Gly	Leu	
				125					130					135	
Ala	Ala	Leu	Asn	Lys	Ala	Tyr	Pro	Glu	Val	Leu	Ala	Gln	Gly	Arg	
				140					145					150	
Thr	Ala	Arg	Val	Thr	Leu	Thr	Ser	Pro	Trp	Pro	Arg	Pro	Leu	Pro	
				155					160					165	
Trp	Pro	Gly	Asn	Thr	Leu	Gly	Gln	Val	Gly	Thr	Pro	Gly	Thr	Lys	
				170					175					180	
Asp	Pro	Arg	Ala	Leu	Leu	Leu	Asp	Ala	Leu	Arg	Ser	Pro	Gly	Leu	
				185					190					195	
Arg	Ala	Leu	Glu	Ala	Gly	Thr	Ala	Val	Glu	Leu	Leu	Asp	Val	Phe	
				200					205					210	
Leu	Gly	Leu	Glu	Thr	Asp	Gly	Glu	Glu	Leu	Ala	Gly	Ala	Ile	Ala	

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	215		220		225
Ala Gly Asn Pro	Gly Ala Pro Leu Arg	Glu Arg Ala Ala Glu Leu			
	230		235		240
Arg Glu Ala Leu	Glu Gln Gly Pro Arg	Gly Leu Ala Leu Arg Leu			
	245		250		255
Trp Pro Lys Leu	Gln Val Val Val Thr	Leu Asp Ala Gly Gly Gln			
	260		265		270
Ala Glu Ala Val	Ala Ala Leu Gly Ala	Leu Trp Cys Gln Gly Leu			
	275		280		285
Ala Phe Phe Ser	Pro Ala Tyr Ala Ala	Ser Gly Gly Val Leu Gly			
	290		295		300
Leu Asn Leu Gln	Pro Glu Gln Pro His	Gly Leu Tyr Leu Leu Pro			
	305		310		315
Pro Gly Ala Pro	Phe Ile Glu Leu Leu	Pro Val Lys Glu Gly Thr			
	320		325		330
Gln Glu Glu Ala	Ala Ser Thr Leu Leu	Leu Ala Glu Ala Gln Gln			
	335		340		345
Gly Lys Glu Tyr	Glu Leu Val Leu Thr	Asp Arg Ala Ser Leu Thr			
	350		355		360
Arg Cys Arg Leu	Gly Asp Val Val Arg	Val Val Gly Ala Tyr Asn			
	365		370		375
Gln Cys Pro Val	Val Arg Phe Ile Cys	Arg Leu Asp Gln Thr Leu			
	380		385		390
Ser Val Arg Gly	Glu Asp Ile Gly Glu	Asp Leu Phe Ser Glu Ala			
	395		400		405
Leu Gly Arg Ala	Val Gly Gln Trp Ala	Gly Ala Lys Leu Leu Asp			
	410		415		420
His Gly Cys Val	Glu Ser Ser Ile Leu	Asp Ser Ser Ala Gly Ser			
	425		430		435
Ala Pro His Tyr	Glu Val Phe Val Ala	Leu Arg Gly Leu Arg Asn			
	440		445		450
Leu Ser Glu Glu	Asn Arg Asp Lys Leu	Asp His Cys Leu Gln Glu			
	455		460		465
Ala Ser Pro Arg	Tyr Lys Ser Leu Arg	Phe Trp Gly Ser Val Gly			
	470		475		480
Pro Ala Arg Val	His Leu Val Gly Gln	Gly Ala Phe Arg Ala Leu			
	485		490		495
Arg Ala Ala Leu	Ala Ala Cys Pro Ser	Ser Pro Phe Pro Pro Ala			
	500		505		510
Met Pro Arg Val	Leu Arg His Arg His	Leu Ala Gln Cys Leu Gln			
	515		520		525
Glu Arg Val Val	Ser				
	530				

<210> 28

<211> 356

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3404792CD1

<400> 28

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Met	Ala	Gly	Leu	Gly	Ser	Asp	Pro	Trp	Trp	Lys	Lys	Thr	Leu	Tyr	1	5	10	15
Leu	Thr	Gly	Gly	Ala	Leu	Leu	Ala	Ala	Ala	Tyr	Leu	Leu	His	20	25	30		
Glu	Leu	Leu	Val	Ile	Arg	Lys	Gln	Gln	Glu	Ile	Asp	Ser	Lys	Asp	35	40	45	
Ala	Ile	Ile	Leu	His	Gln	Phe	Ala	Arg	Pro	Asn	Asn	Gly	Val	Pro	50	55	60	
Ser	Leu	Ser	Pro	Phe	Cys	Leu	Lys	Met	Glu	Thr	Tyr	Leu	Arg	Met	65	70	75	
Ala	Asp	Leu	Pro	Tyr	Gln	Asn	Tyr	Phe	Gly	Gly	Lys	Leu	Ser	Ala	80	85	90	
Gln	Gly	Lys	Met	Pro	Trp	Ile	Glu	Tyr	Asn	His	Glu	Lys	Val	Ser	95	100	105	
Gly	Thr	Glu	Phe	Ile	Ile	Asp	Phe	Leu	Glu	Glu	Lys	Leu	Gly	Val	110	115	120	
Asn	Leu	Asn	Lys	Asn	Leu	Gly	Pro	His	Glu	Arg	Ala	Ile	Ser	Arg	125	130	135	
Ala	Val	Thr	Lys	Met	Val	Glu	Glu	His	Phe	Tyr	Trp	Thr	Leu	Ala	140	145	150	
Tyr	Cys	Gln	Trp	Val	Asp	Asn	Leu	Asn	Glu	Thr	Arg	Lys	Met	Leu	155	160	165	
Ser	Leu	Ser	Gly	Gly	Gly	Pro	Phe	Ser	Asn	Leu	Leu	Arg	Trp	Val	170	175	180	
Val	Cys	His	Ile	Thr	Lys	Gly	Ile	Val	Lys	Arg	Glu	Met	His	Gly	185	190	195	
His	Gly	Ile	Gly	Arg	Phe	Ser	Glu	Glu	Glu	Ile	Tyr	Met	Leu	Met	200	205	210	
Glu	Lys	Asp	Met	Arg	Ser	Leu	Ala	Gly	Leu	Leu	Gly	Asp	Lys	Lys	215	220	225	
Tyr	Ile	Met	Gly	Pro	Lys	Leu	Ser	Thr	Leu	Asp	Ala	Thr	Val	Phe	230	235	240	
Gly	His	Leu	Ala	Gln	Ala	Met	Trp	Thr	Leu	Pro	Gly	Thr	Arg	Pro	245	250	255	
Glu	Arg	Leu	Ile	Lys	Gly	Glu	Leu	Ile	Asn	Leu	Ala	Met	Tyr	Cys	260	265	270	
Glu	Arg	Ile	Arg	Arg	Lys	Phe	Trp	Pro	Glu	Trp	His	His	Asp	Asp	275	280	285	
Asp	Asn	Thr	Ile	Tyr	Glu	Ser	Glu	Glu	Ser	Ser	Glu	Gly	Ser	Lys	290	295	300	
Thr	His	Thr	Pro	Leu	Leu	Asp	Phe	Ser	Phe	Tyr	Ser	Arg	Thr	Glu	305	310	315	
Thr	Phe	Glu	Asp	Glu	Gly	Ala	Glu	Asn	Ser	Phe	Ser	Arg	Thr	Pro	320	325	330	
Asp	Thr	Asp	Phe	Thr	Gly	His	Ser	Leu	Phe	Asp	Ser	Asp	Val	Asp	335	340	345	
Met	Asp	Asp	Tyr	Thr	Asp	His	Glu	Gln	Cys	Lys	350	355						

<210> 29

<211> 1364

<212> DNA

<213> Homo sapiens

PF-0741 USN

<220>

<221> misc_feature

<223> Incyte ID No: 1681724CB1

<400> 29

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cgatgcggcc aagccagcgg agggccccga cgctcccgag gcggccagcc ccgcccattg 180
gcccagggag agcctggttc tgtaccactg gaccagtcct ttcagctcgc agaaggtgcg 240
gctggtgatc gccgagaagg gcctggtgtg cgaggagcgg gacgtgagcc tgccacagag 300
cgagcacaag gagccctggt tcatgcggct caacctgggc gaggaggtgc ccgtcatcat 360
ccaccgcgac aacatcatca gtgactatga ccagatcatt gactatgtgg agcgcacctt 420
cacaggagag cagtggtgtg ccctgatgcc cgagggtggc agcctgcagc acgcacgggt 480
gctgcagtac cgggagctgc tggacgcact gcccatggat gcctacacgc atggctgcat 540
cctgcatccc gagctcacca ccgactccat gatccccaa gacgccacgg ccgagatccg 600
cagacattta gccaatgcca ccacggacct catgaaactg gaccatgaag aggagcccca 660
gctctccgag ccttaccttt ctaaacaata gaagctcatg gccaagatct tggagcatga 720
tgatgtgagc tacctgaaga agatcctcgg ggaactggcc atggtgctgg accagattga 780
ggcggagctg gagaagagga agctggagaa cgaggggcag aaatgcgagc tgtggctctg 840
tggctgtgcc ttcacctcgc ctgatgtcct cctgggagcc accctgcacc gcctcaagtt 900
cctgggactg tccaagaaat actgggaaga tggcagccgg cccaacctgc agtccttctt 960
tgagagggct cagagacgct ttgccttccg gaaagtcctg ggtgacatcc acaccacct 1020
gctgtcggcc gtcatcccca atgctttccg gctggtcaag aggaaacccc catccttctt 1080
cggggcgctc ttcctcatgg gctccctggg tgggatgggc tactttgcct actggtacct 1140
caagaaaaaa tacatctagg gccaggcctg gggcttgggt tctgactgtc ggtgtctctg 1200
tgctgtgtga ttccccgtga gctctcagta actcactgtc tcatgaacac ttggacagcc 1260
ctccccgccc ttcgttctga gtaataatac cgtcagtgtg aaaacattcc gtagtttaga 1320
agtagacgtt gccaatgctg tgactcaagg ccagggttca atta 1364
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<210> 30

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1718047CB1

<400> 30

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cggctcgagg agagattcac gcaccctcaa gagtgtgggt gagacatata cagcctgtta 60
gacctgaagg cagatggctc ttcttaaggc caataaggat ctcatctccg caggattgaa 120
ggagttcagc gttctgctga atcagcaggt cttcaatgat cctctcgtct ctgaagaaga 180
catggtgact gtggtggagg actggatgaa cttctacatc aactattaca ggcagcaggt 240
gacaggggag cccaagagc gagacaaggc tctgcaggag cttcggcaag agctgaacac 300
tctggccaac cctttcctgg ccaagtacag ggacttcctg aagtctcatg agctcccgag 360
tcaccaccgg cctcctcct agctcagga cccagccccc cctctctgag aaactctgac 420
cttcatgtcc ttaggctgtg ctctgccac tctacctga cacctcaata aagaccagt 480
ctggttttgt tggaaaaaaa aaaaa 505
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<210> 31

<211> 926

<212> DNA

<213> Homo sapiens

PF-0741 USN

<220>

<221> misc_feature

<223> Incyte ID No: 1980323CB1

<400> 31

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acgcatcggg tgggctcggg tctccagccc ggccgggagg agggaccggg tctgcggagc 120
ggggactcgg ggcctcggcg gggcgcgcac acgcaggcgg ggcggcccgg ggtgcggggc 180
ctctgcgcgg ctgaccaggc tcccagagcg tcacgcgcgc catggccgag ccgctccagc 240
cagaccccg ggcggccgag gacgcggcgg cccaagctgt ggagacgccg ggctggaagg 300
ccccggagga cgccggcccc cagcccgga gttatgagat ccgacactat ggaccagcca 360
agtgggtcag cacgtccgtg gagtctatgg actgggattc agccatccag acgggcttta 420
cgaaactgaa cagctacatt caaggcaaaa acgagaaaaga gatgaaaata aagatgacag 480
ctccagtgac aagctacgtg gagcctgggt caggtccttt tagtgagtct accattacca 540
tttccctgta tattccctct gaacagcaat ttgatccacc caggccttta gattcagatg 600
tcttcattga agatagagcc gaaatgactg tgtttgtacg gtcttttcgat ggattttcta 660
gtgccccaaa gaatcaagaa caacttttga cattagcaag cattttaagg gaagatggaa 720
aagttttcga tgagaagggt tactacactg caggctacaa cagtcctgtc aaattgtcta 780
atagaaataa tgaagtgtgg ttgattcaaa aaaatgaacc caccaaagaa aacgaatgag 840
aaaaatgaaa ggaagtcttg ctgtcagagg caaaacatct gtttatcata gacatcaaca 900
tgacctataa gtaaaaaaaaa aaaaaa 926
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<210> 32

<211> 1364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1990956CB1

<400> 32

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tcgtggctcg ttccattctc ggcggtggta cctgctcccg gtggccctga ggacgtgtgg 120
gccaggggcg gccccgaaat taggaagcgg agggggagca gtctgcaggc ctgcgggggt 180
aagtgtcgcg gcggcgccacc tcgcgtcaag aatccggagg aggagactgc aaggataggc 240
ccaggagtaa tggagtccaa agaggaacta gcggcaaca atctcaacgg ggaaaatgcc 300
caacaagaaa acgaaggagg ggagcaggcc ccacgcgaga atgaagaaga atcccgccat 360
ttgggagggg gtgaaggcca gaagcctgga ggaaatatca ggcgggggcg agttaggcga 420
cttgtccccta attttcgatg ggccatacct aataggcata ttgagcacia tgaagcgaga 480
gatgatgtag aaaggtttgt agggcagatg atggaaatca agagaaagac tagggaacag 540
cagatgaggc actatatgcg cttccaaact cctgaacctg acaaccatta tgacttttgc 600
ctcatacctt gaatcctaaa agttttcgct gaggttaatg tgaacactgc tttacaagct 660
tgtatttttg tgattttact tttctgtaag ccttttgggtg tttacactta ccagtttcta 720
atggaaatta gaattcta atgaaattgt tttgtctcag cctaaaagtt acggtcagca 780
tggcaattca cctatttttag gaaaaatact cttttcataa tatgaaatgc ataaagcagt 840
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aatgtatgtt ctagtgtttt tcagagtggg tctaccatct gtataaaaac accttggggg 1080
caggcagggg catttaaaaa tgtaggacct atcgtccaga ctcacagagt ggggctccag 1140
aatctccatt ttaacaaaac tctcttaagt aattctgagt tgtacaaaa tcagtgccat 1200
tggtgtgtgt gtacgtaact atatacatat gtgtgtgtgt gtatatatat aatgtgtcat 1260
aaccgtaaac aataaacaat atcaagataa atctgacttt gatgggcaag taattaaaaa 1320
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agaaaagtat gagaccttaa aaaaaaaaaa aaaaaaaaaa aaaa 1364

<210> 33
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2009069CB1

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ctaatagaaga tgtggacgaa cacaccccat caacctcaag taccaaaggg aggaagaagg 120
ggaagacacc ccgtcaacga aggtccagaa gcggcgtaa gggcctaaag accaccagga 180
aggcgaaaaag accccttcga gggagctcga gccaaaaagc cggtgaaact aacacccttg 240
caggaaaacc taagaaagct agaggaccaa tactgctgg tcgttatcac cggctgaaag 300
aaaaaatgaa gaaagaagag gccgacaaag agcaaagcga gacctcagtt ctgtgatgtc 360
tctagagggtc cgccactgaa aagtcacaa tcatacagtc agtgaattct acaccaacag 420
gttaaaacca tgaaaataaa atcaacctga atcgaaaaaa aaaa 464

<210> 34
<211> 1549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2009435CB1

<400> 34
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agggacttgg agtgcagatg gcatccttcg gttcttccag acaagctgca agacgctgac 120
catggccaag atggagctct cgaaggcctt ctctggccag cggacactcc tatctgccat 180
cctcagcatg ctatcactca gcttctccac aacatccctg ctcagcaact actggtttgt 240
gggcacacag aaggtgcccc agcccctgtg cgagaaaggt ctggcagcca agtgctttga 300
catgccagtg tccctggatg gagataccaa cacatccacc caggaggtgg tacaatacaa 360
ctggggagact ggggatgacc ggttctcctt ccggagcttc cggagtggca tgtggctatc 420
ctgtgaggaa actgtggaag aaccagcact gctccatccc cagtccctgga aacaatttag 480
agcccttcgg tccagtggta cagcggcagc aaaaggggag aggtgccgaa gtttcattga 540
acttacacca ccagccaaga gaggtgagaa aggactactg gaatttgcca cgttgcaagg 600
cccatgtcac cccactctcc gatttgagg gaagcggttg atggagaagg cttccctccc 660
ctccctccc ttggggcttt gtggcaaaaa tcctatggtt atccctggga acgcagatca 720
cctacatcgg acttcaattc atcagcttcc tcctgctact aacagacttg ctactcactg 780
ggaaccctgc ctgtgggctc aaactgagcg cctttgctgc tgtttcctct gtcctgtcag 840
gtctcctggg gatggtggcc cacatgatgt attcacaagt cttccaagcg actgtcaact 900
tgggtccaga agactggaga ccacatgttt ggaattatgg ctgggccttc tacatggcct 960
ggctctcctt cacctgctgc atggcgtcgg ctgtcaccac cttcaacacg tacaccagga 1020
tggtgctgga gttcaagtgc aagcatagta agagcttcaa ggaaaaccg aactgcctac 1080
cacatcacca tcagtgtttc cctcggcggc tgtcaagtgc agccccacc gtgggtcctt 1140
tgaccagcta ccaccagtat cataatcagc ccattccactc tgtctctgag ggagtcgact 1200
tctactccga gctgcggaac aagggatttc aaagaggggc cagccaggag ctgaaagaag 1260
cagttagggtc atctgtagag gaagagcagt gttaggagtt aagcgggttt ggggagtagg 1320
cttgagccct accttacacg tctgctgatt atcaacatgt gcttaagcca aaaagctctg 1380

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gagctatttc cagattaaat agtttttcta aaactttctg tccttcttta ctgggggcct 1440
gtcagcatca ctgatgaata tttcttgcca cagaggtttt tcttgttttt cccggattcc 1500
tttggaatgtg gatcaacttt aaaatatcct gggtgactcc gggtcacca 1549
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<210> 35
<211> 1205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2027937CB1

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ccaagcaaag gctgaggagg tgtgcctccc cacatgccag caccctgcc aagataagt 180
tctagtgcag gccaggagg tatgtctttc tcagtgccag gaatcaagtc aagaaaaatg 240
cccacagcaa ggccaagagc catacctacc tccatgccaa gaccagtgtc cacctcagt 300
tgcagagcca tgccaggagc tattccagac aaaatgtgtg gaggtttgcc cacagaaagt 360
tcaggagaag tgctcatccc ctggcaaggg aaagttagct ctcatatgtc atctgggttc 420
aagaagatgg ccagcagatg aaaccctgac ccagcccac gctctggtga ccttcttctg 480
tgggtacctc tgtgtgcaat gtaccttctt gcctcctggc ttccttagca ttccaggact 540
tgggtctgtg ctctgaagac agttctttct gtatttcac accctctgtg aataagcatt 600
gttctcagca gtctgatgga aggtctcaaa tgtaggaatg gtgtggttgt cagggaagac 660
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<211> 773

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2759876CB1

<400> 37

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<211> 2116

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2763735CB1

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<211> 2556

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2848676CB1

<400> 39

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<211> 1394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2956153CB1

<400> 40

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<210> 41

<211> 1376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3333139CB1

<400> 41

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<210> 42

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3432292CB1

<400> 42

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gctgtggtcc cagctctggg ggctgtgcg gctccagctc tgggggctgc tgcagctctg 240
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aacgaggaac ctgtcccca gagtgatagc ttcttctga ccccttggtg tctccttate 480
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<210> 43

<211> 2431

<212> DNA

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 3478571CB1

<400> 43

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<210> 44

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3495166CB1

<400> 44

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<211> 3154

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3554748CB1

<400> 45

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<210> 46

<211> 2204

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3555629CB1

<400> 46

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<210> 47

<211> 863

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 639636CB1

<400> 47

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<210> 48

<211> 3860

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 902218CB1

<400> 48

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<210> 49

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1360522CB1

<400> 49

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atgaaccgcc aggaactgac ctgctgactg cactctgcca ggcttcccaa tgctttcact 660
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aaaaaa 726
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<210> 50

<211> 2196

<212> DNA

<213> Homo sapiens

<220>

PF-0741 USN

<221> misc_feature

<223> Incyte ID No: 1400678CB1

<400> 50

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<210> 51

<211> 1495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1435556CB1

<400> 51

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ccccagctc tcttctgctg cagtttttct gctcacacct ggattcccca tgcattccca 240
caaaaagtaa ttaaattggca tgcgtgcagg ctggacacgc caacaacagg ttcccacaa 300
tgccccacat gggcgaagac ctgtgtgcat tactcattgc atttttttgc ttattctctg 360
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ttggagaaac tggacagtgg tgtaagtgtg aaacatctta cagaagagta tgggtgttga 540
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<210> 52

<211> 2794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1546633CB1

<220>

<221> unsure

<222> (1) ... (2794)

<223> a, t, c, g, or other

<400> 52

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tggaagtgat gaaggcttca ccagaaagaa atgcacgatt ggaatggttg gtgaaggaag 360
cattcagtcc tctcgatata agaaggaatc aaagtccaggc cttgtgaaac caggtagtga 420
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gcgttctgga aggtacatgt cttgcggtga aaatcatggg gtcagacccc caaacccaga 780
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<210> 53

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1794031CB1

<400> 53

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tcaaactgaa gcttggctcc aggaggtaga agagcttatg gatgaagatt tgtcagcctc 180
ccaggatcac tctcaagccg tgactctgat acaagagaaa atgactttat tcaagagcct 240
gatggataga ttgagcatc attcgaacat tctccttacc tttgaaaata aggatgaaaa 300
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tttgagaaaa aaatttattc tacttctaga atttcattac tacaagtgtc tagttcttgg 420
tttggttaga gaagtgaat caaaattgga tatttggaac attaaatatg ggagcagaga 480
atctgtggaa ttattgctgg aagactggca taaatttatt gaagaaaaag aattcctagc 540
tcgacttgat acttcttttc aaaaatgtgg agaaatttat aagaatttgg ctggagaatg 600
tcagaatatt aataaacagt atatgatggt gaaatctgat gtttgtatgt atagaaaaaa 660

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tatatataat gtgaagtcca ctctacaaaa agtgctggca tgttgggcta cttatgtgga 720
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accctttgag acactagccc agtggaatct agaacacgct actttaaatg aagcaggaaa 840
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<210> 54

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2060563CB1

<400> 54

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<210> 55

<211> 2761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2573955CB1

<400> 55

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